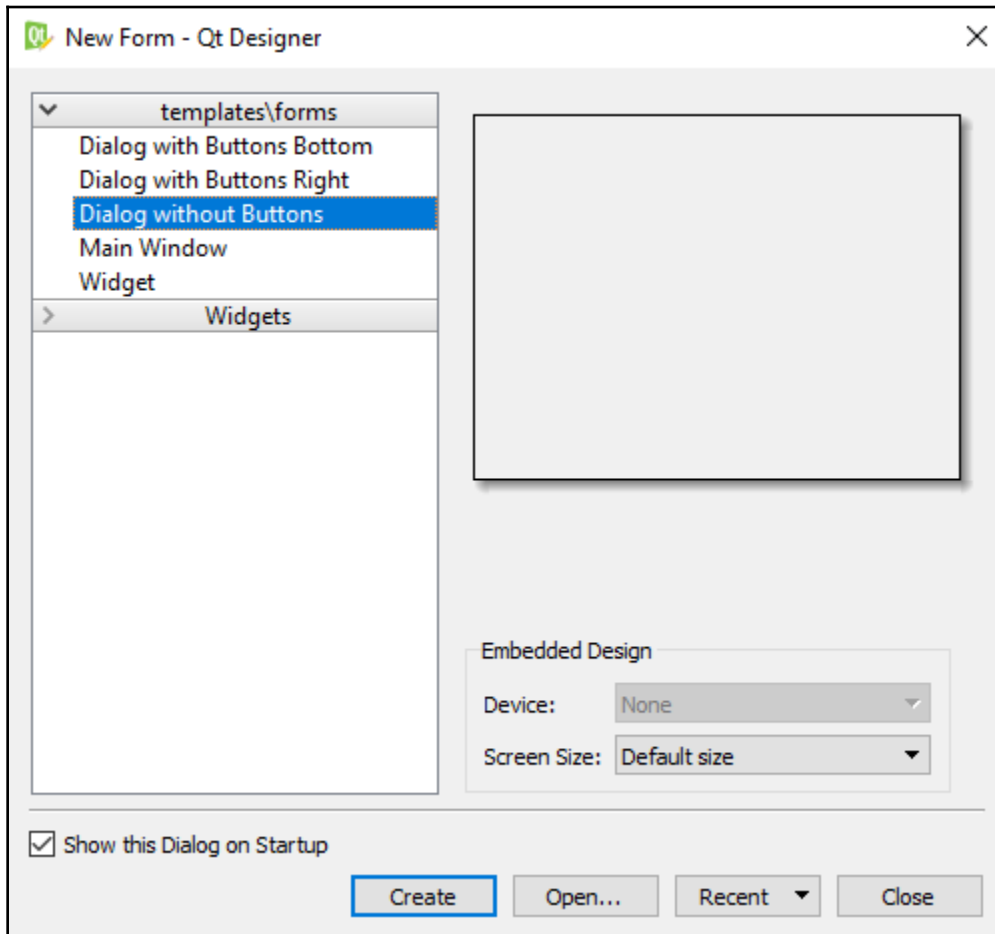
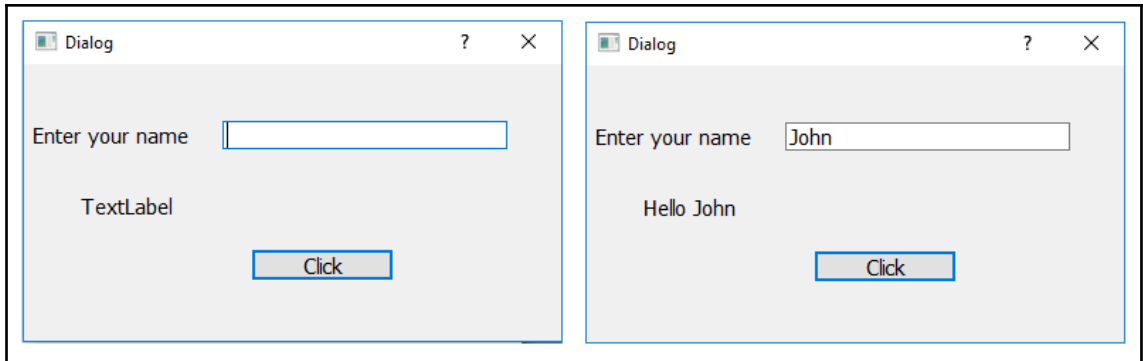
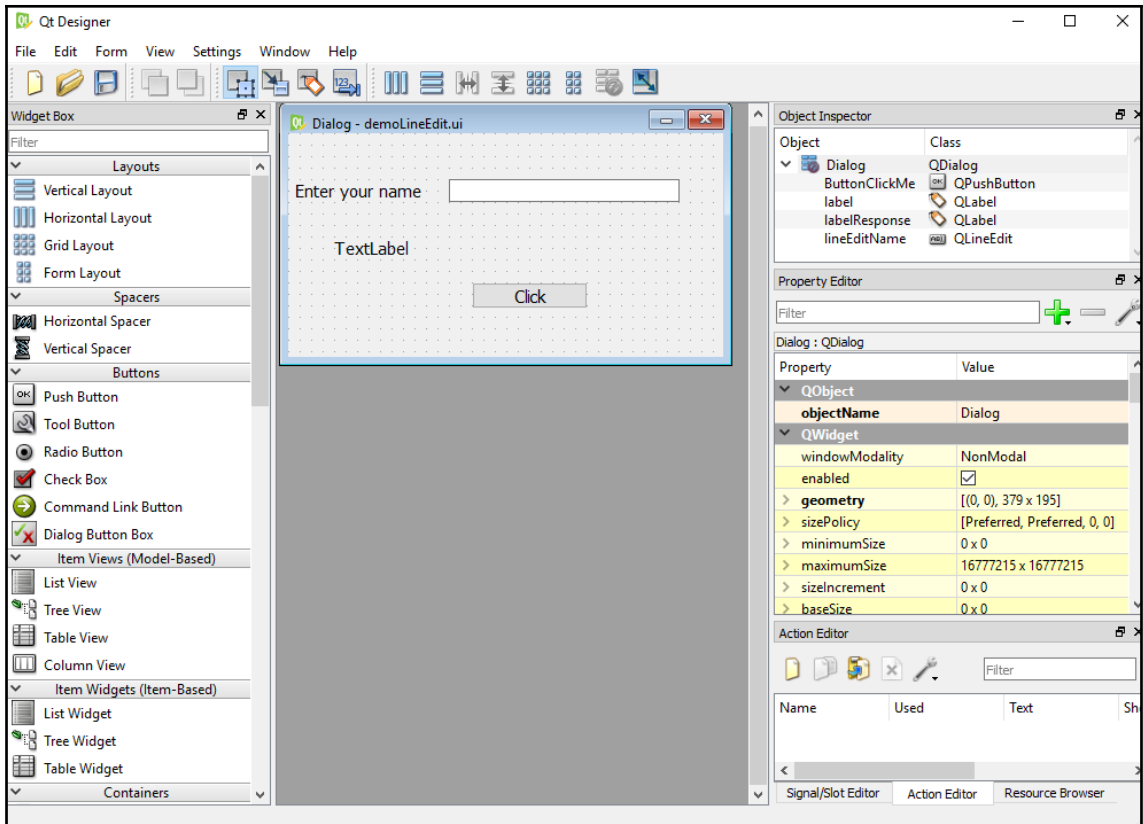


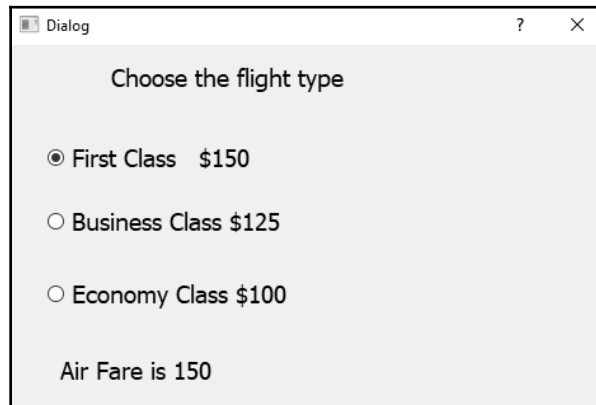
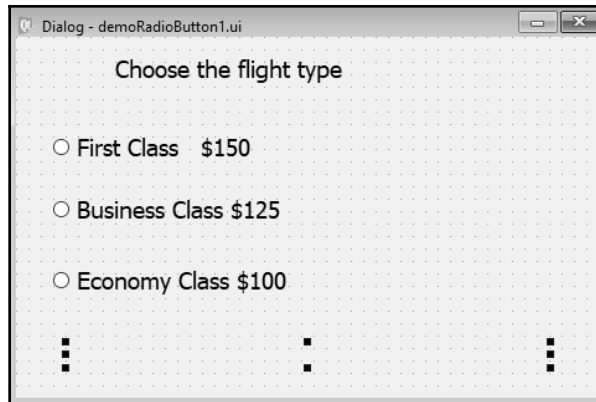
Table of Contents

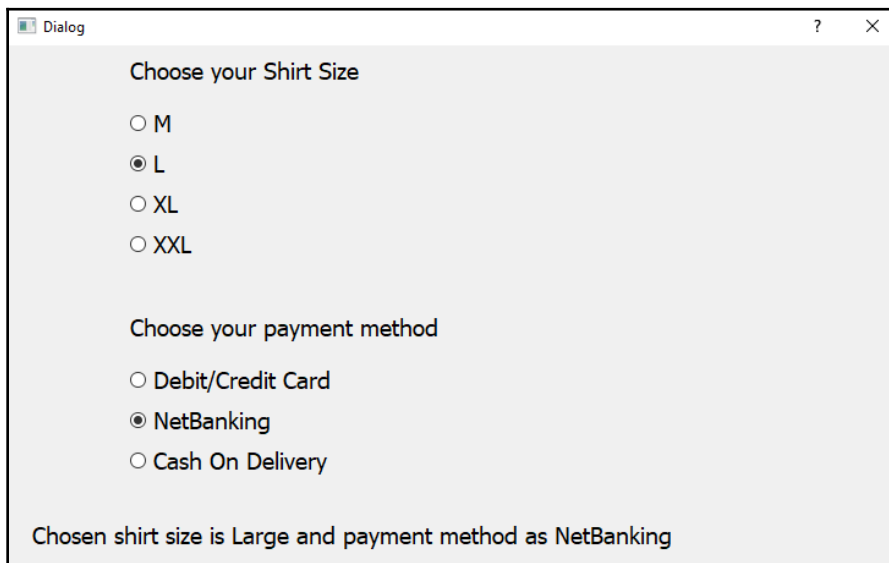
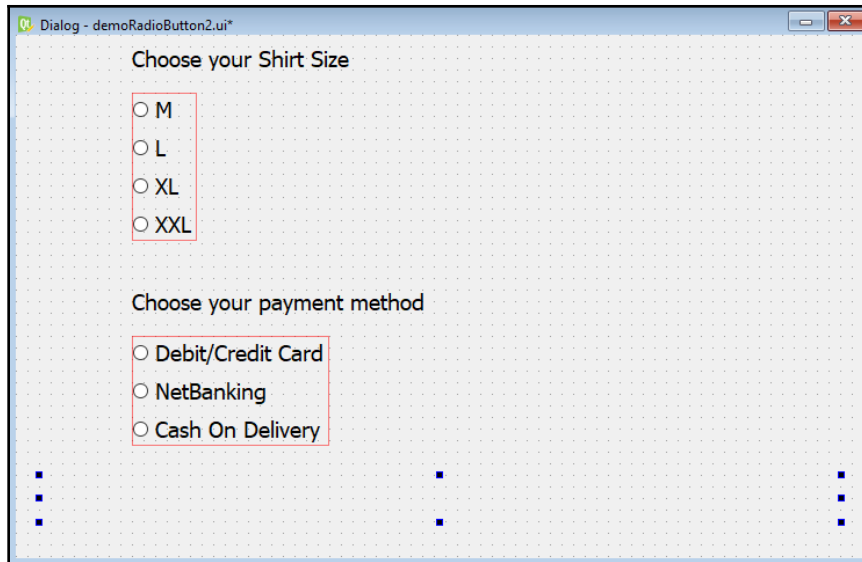
	1
Index	150

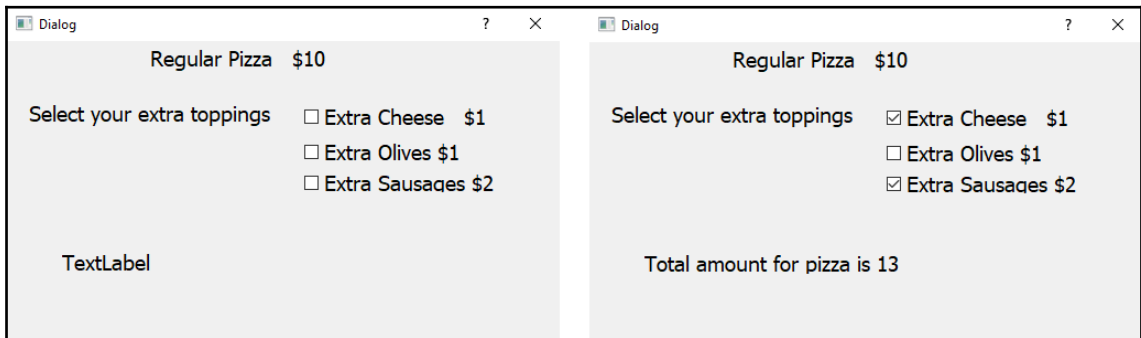
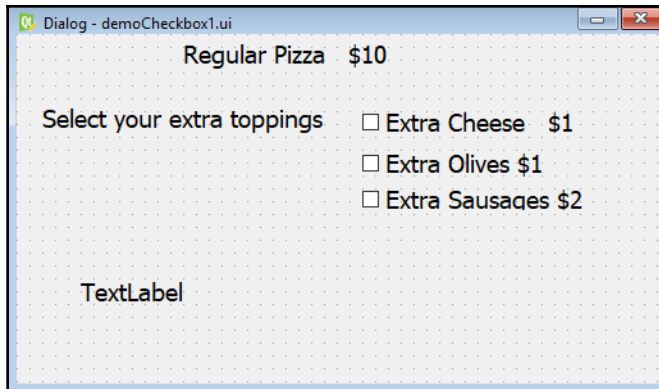
Chapter 1: Creating a User Interface with Qt Components

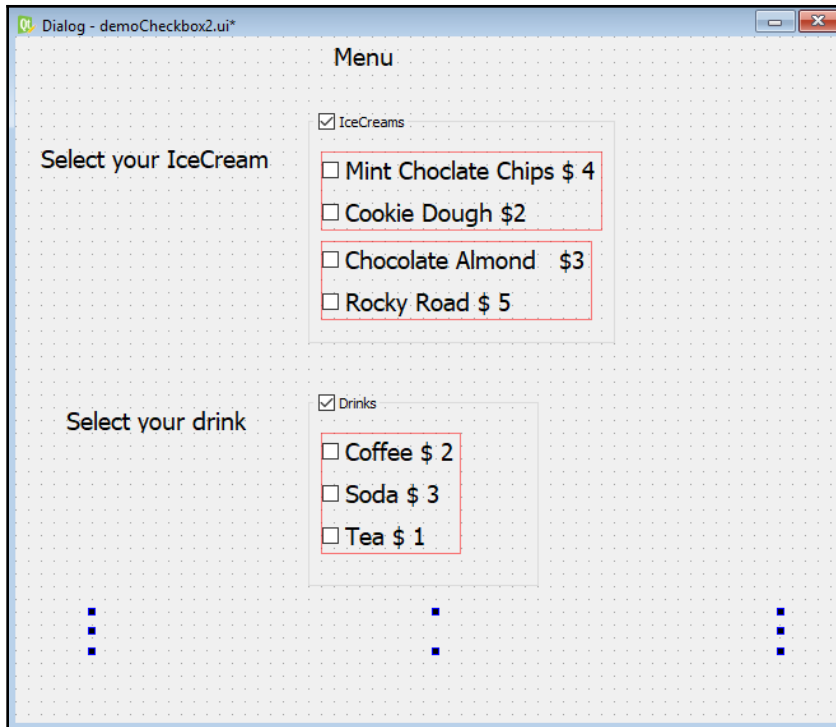












Dialog

Menu

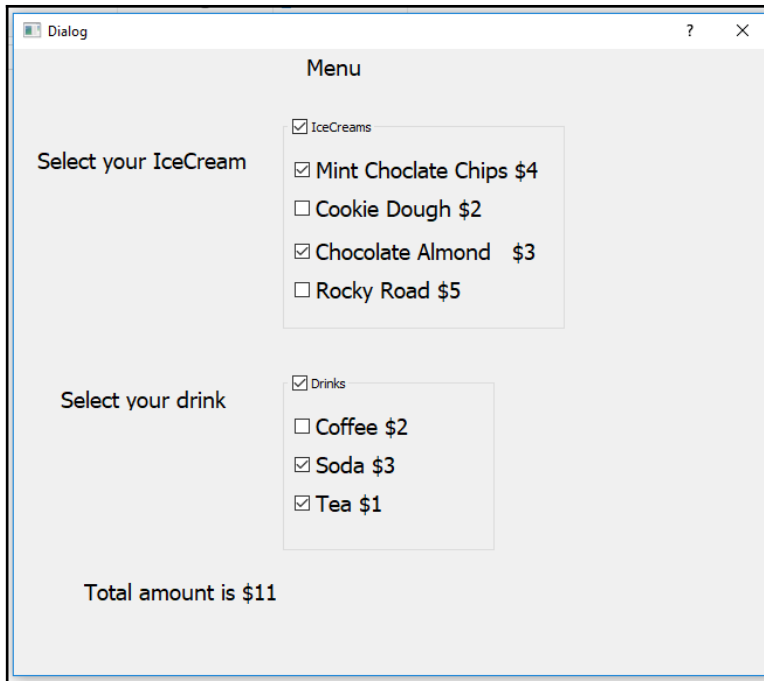
Select your IceCream

- IceCreams
 - Mint Choclote Chips \$4
 - Cookie Dough \$2
 - Chocolate Almond \$3
 - Rocky Road \$5

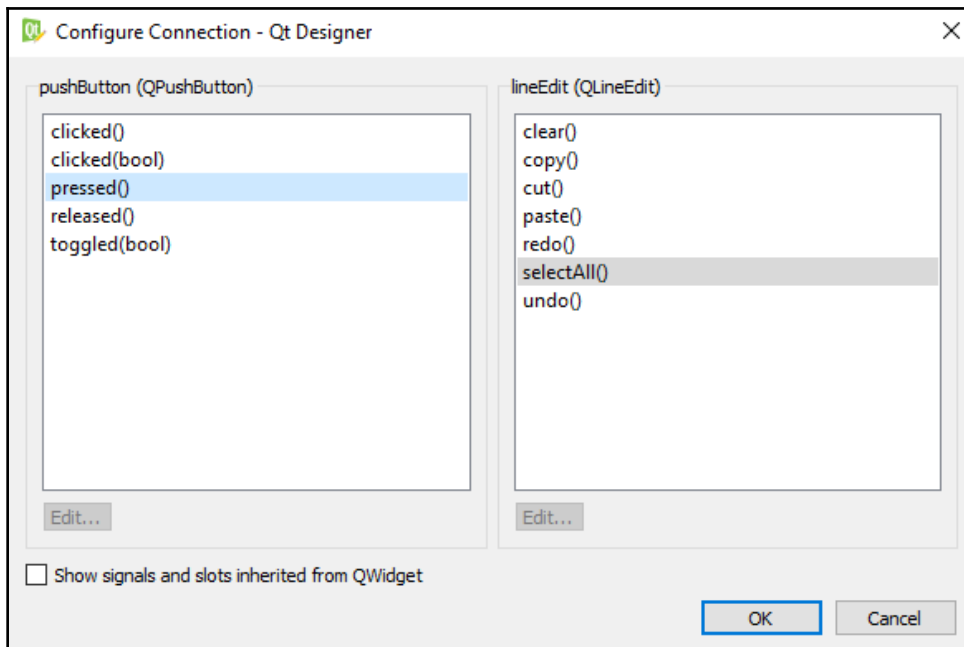
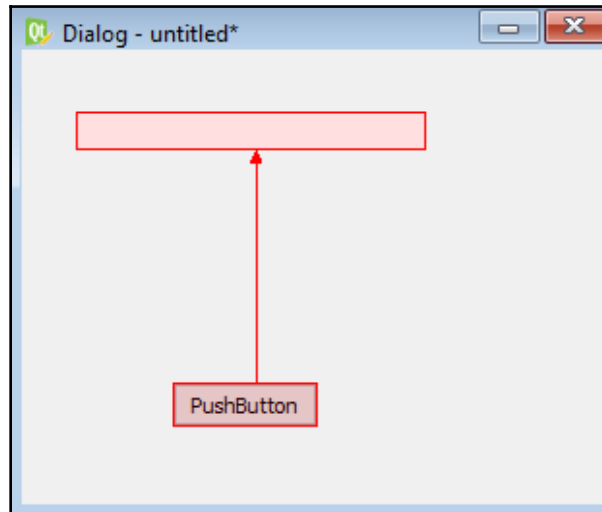
Select your drink

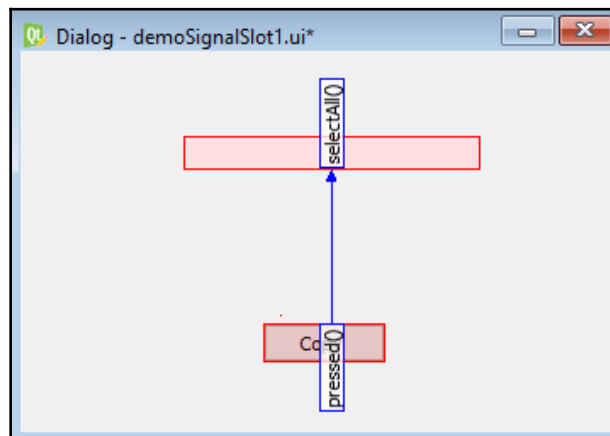
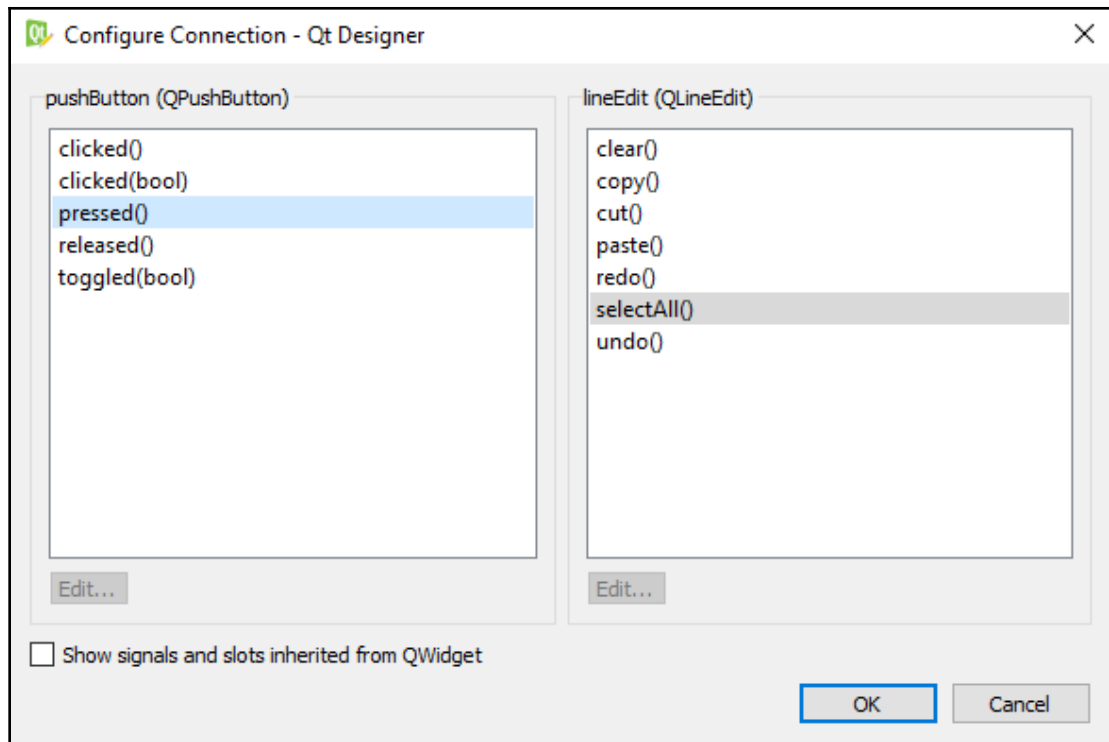
- Drinks
 - Coffee \$2
 - Soda \$3
 - Tea \$1

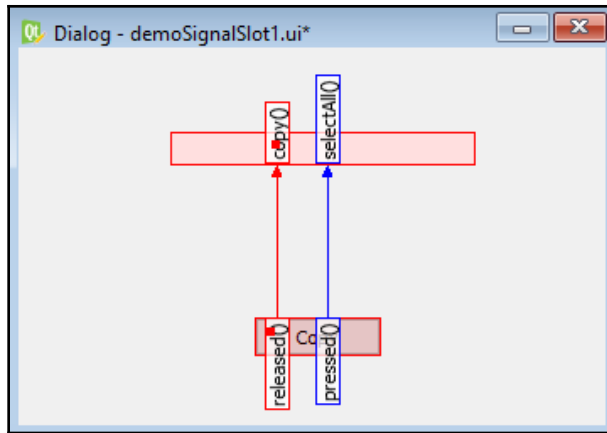
Total amount is \$11

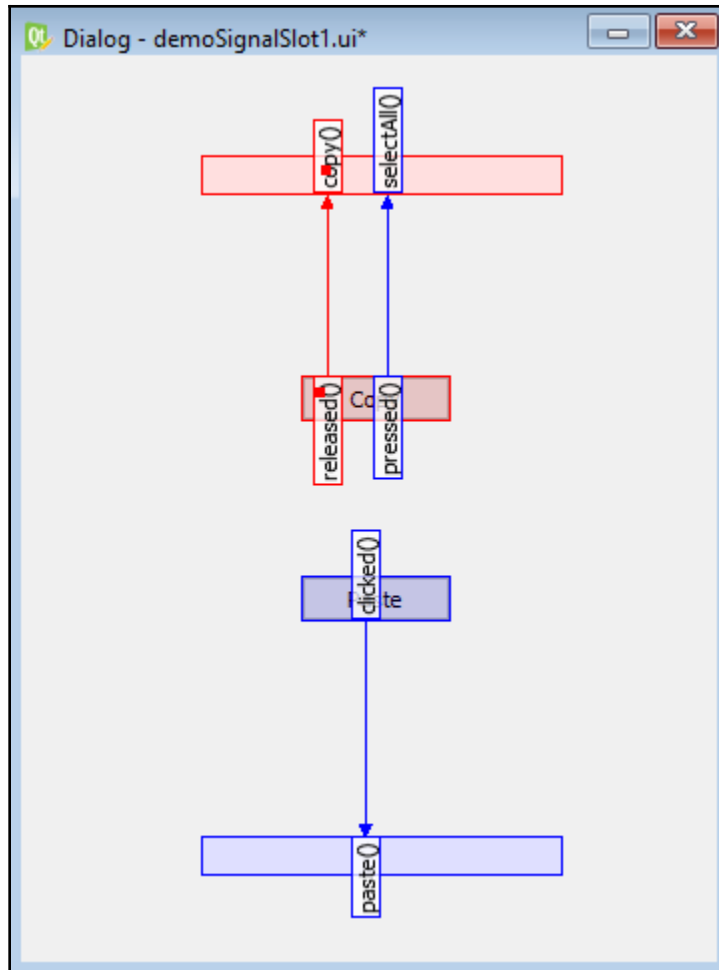


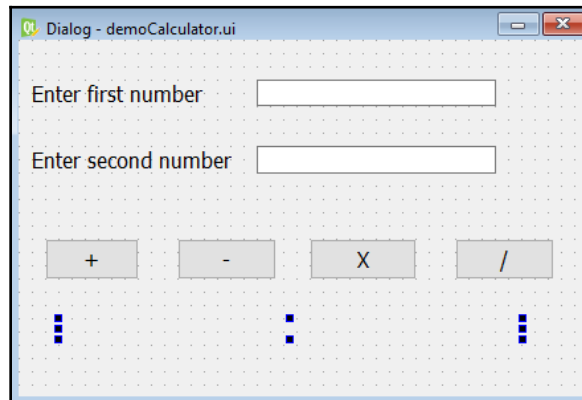
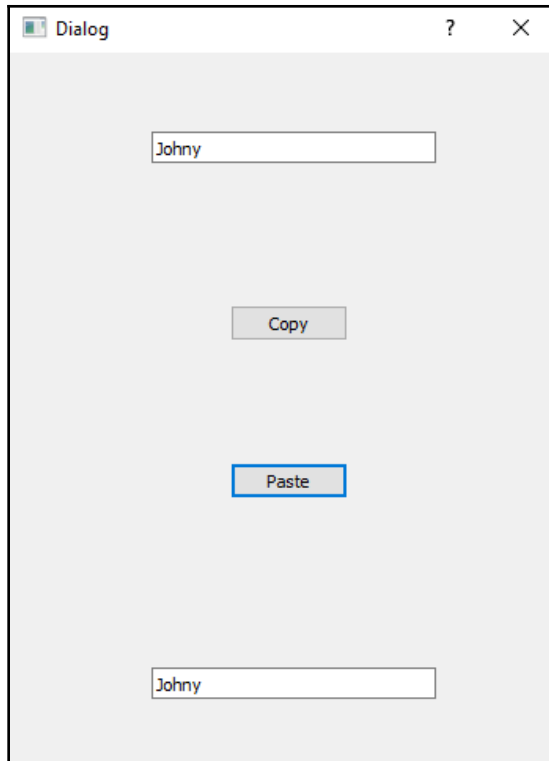
Chapter 2: Event Handling - Signals and Slots







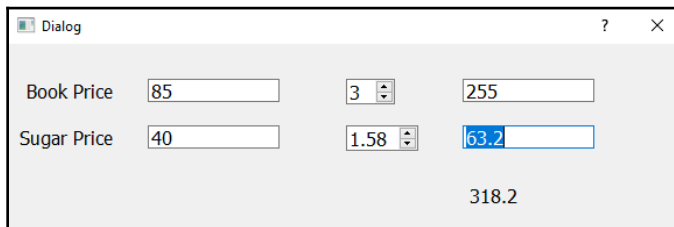
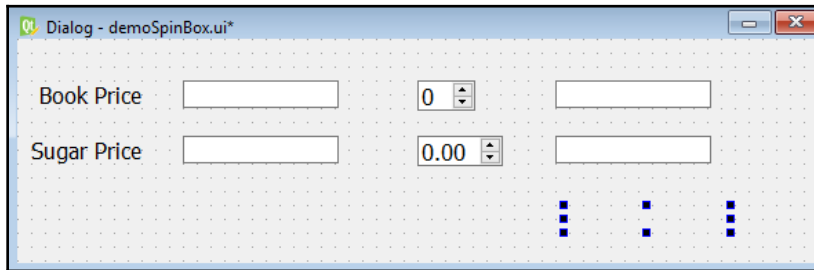
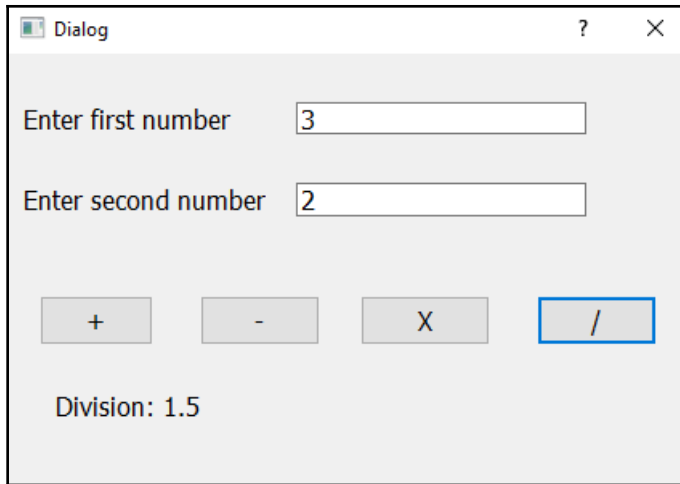


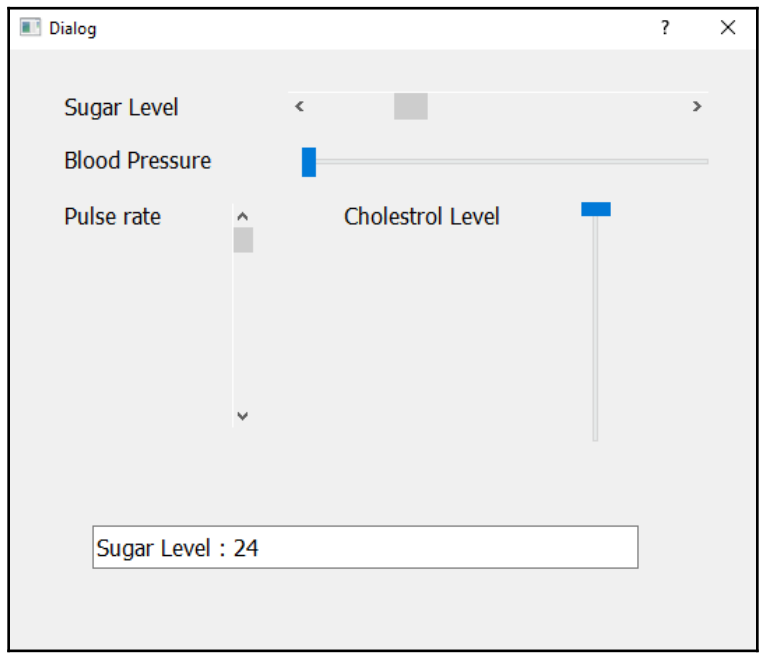
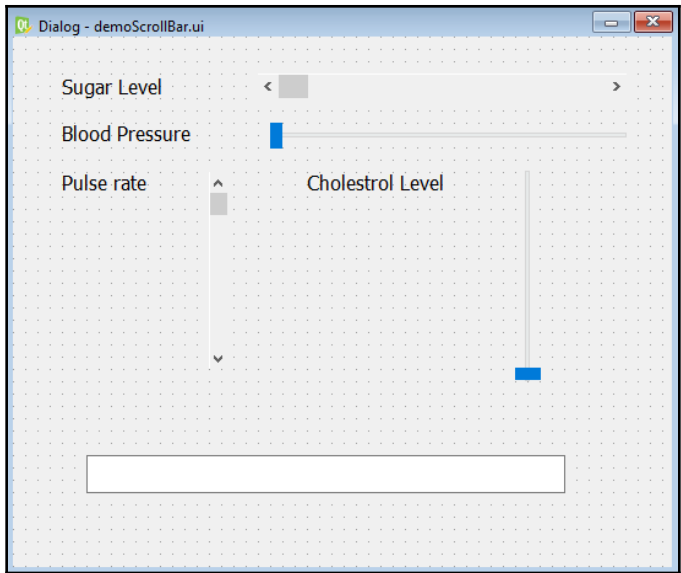


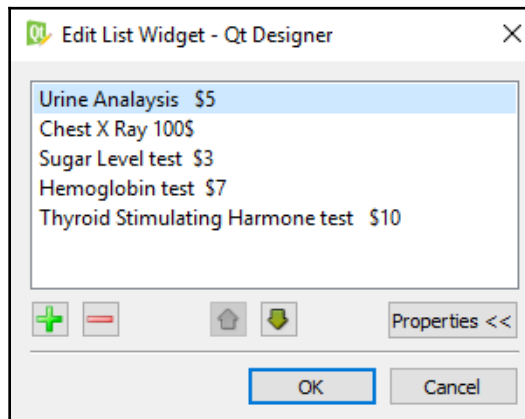
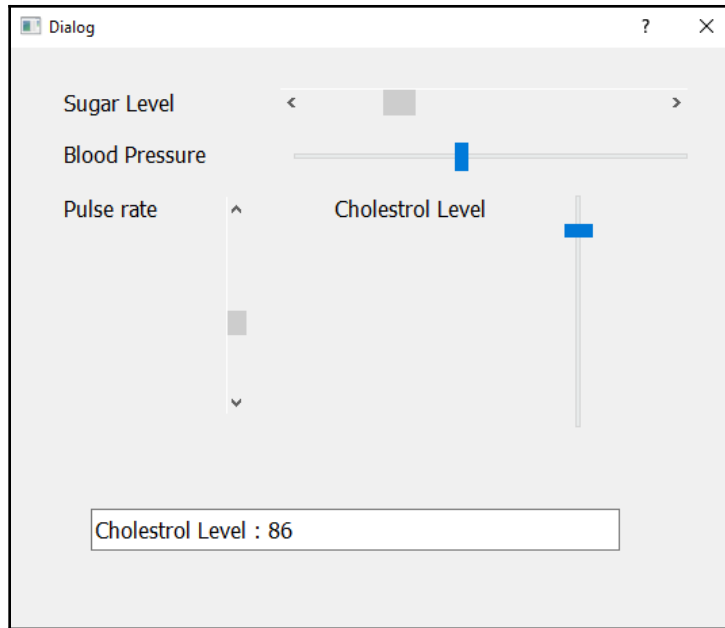
A screenshot of a dialog box titled "Dialog" with a question mark icon and a close button. It contains two input fields: "Enter first number" with the value "3" and "Enter second number" with the value "2". Below the fields are four buttons: "+", "-", "X", and "/". The "+" button is highlighted with a blue border. Below the buttons, the text "Addition: 5" is displayed.

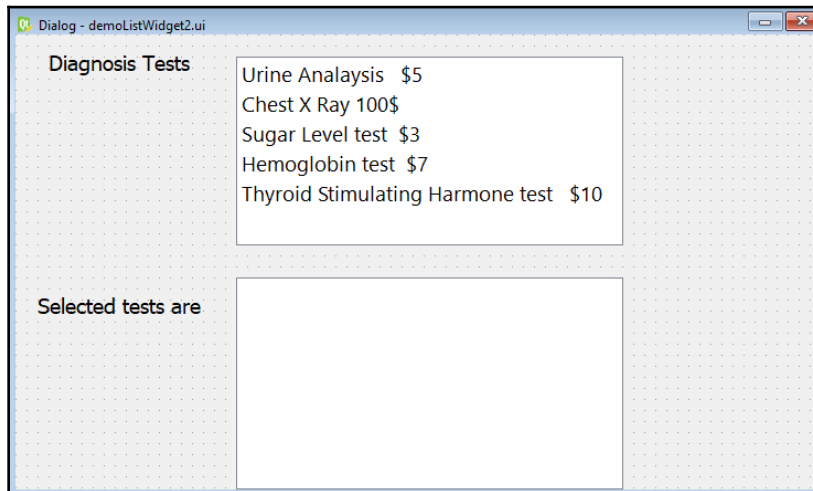
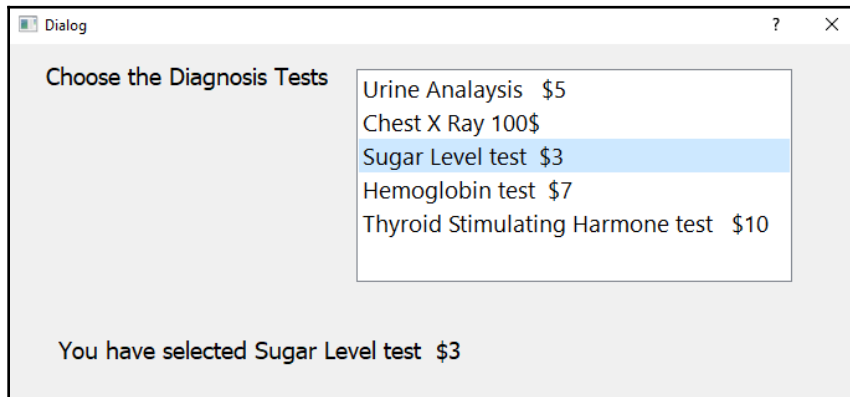
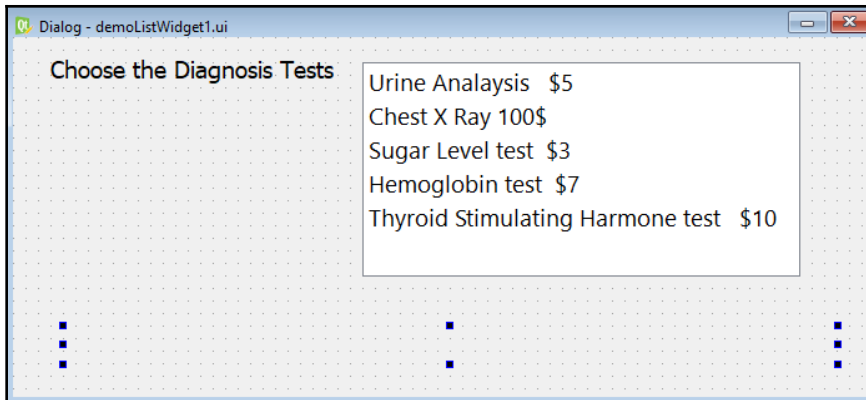
A screenshot of a dialog box titled "Dialog" with a question mark icon and a close button. It contains two input fields: "Enter first number" with the value "3" and "Enter second number" with the value "2". Below the fields are four buttons: "+", "-", "X", and "/". The "-" button is highlighted with a blue border. Below the buttons, the text "Substraction: 1" is displayed.

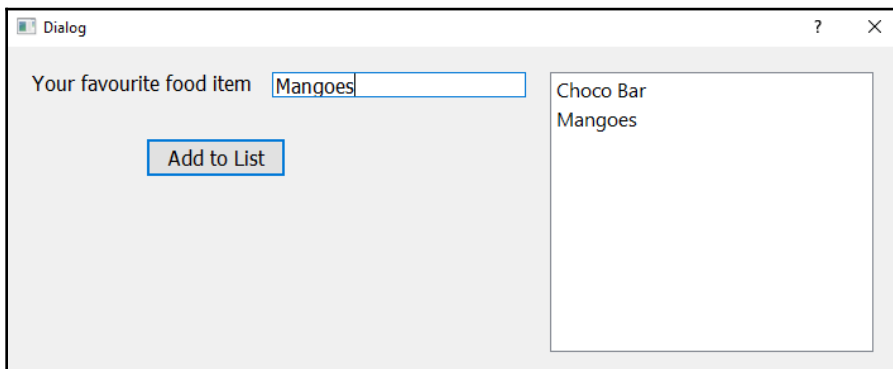
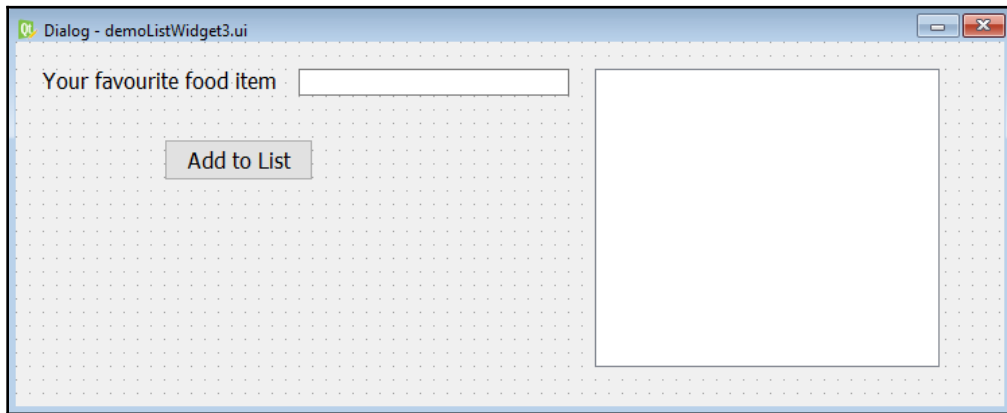
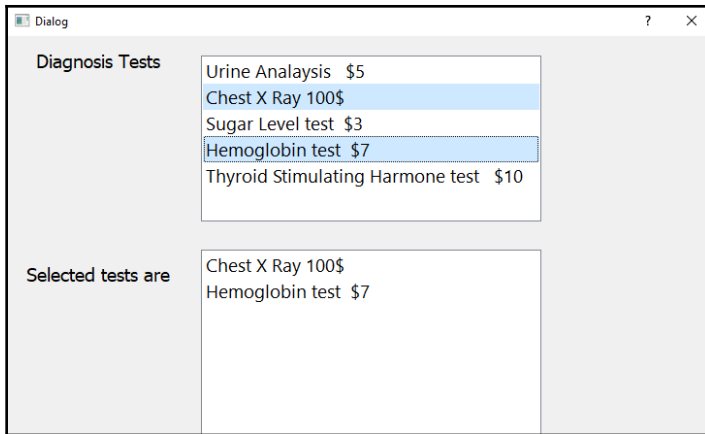
A screenshot of a dialog box titled "Dialog" with a question mark icon and a close button. It contains two input fields: "Enter first number" with the value "3" and "Enter second number" with the value "2". Below the fields are four buttons: "+", "-", "X", and "/". The "X" button is highlighted with a blue border. Below the buttons, the text "Multiplication: 6" is displayed.

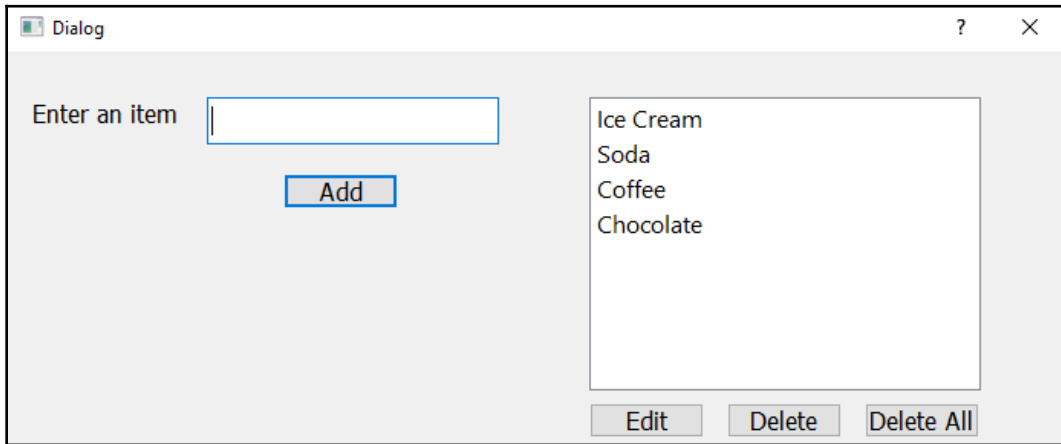
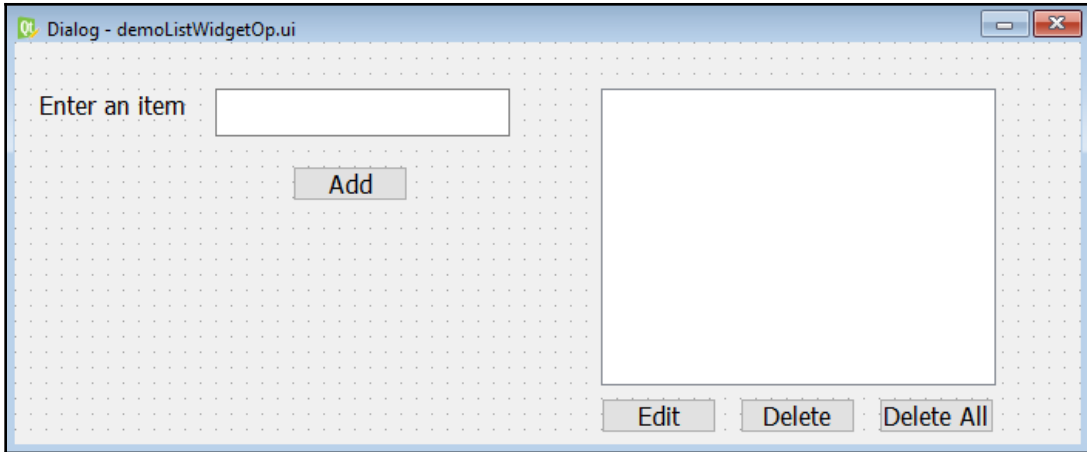


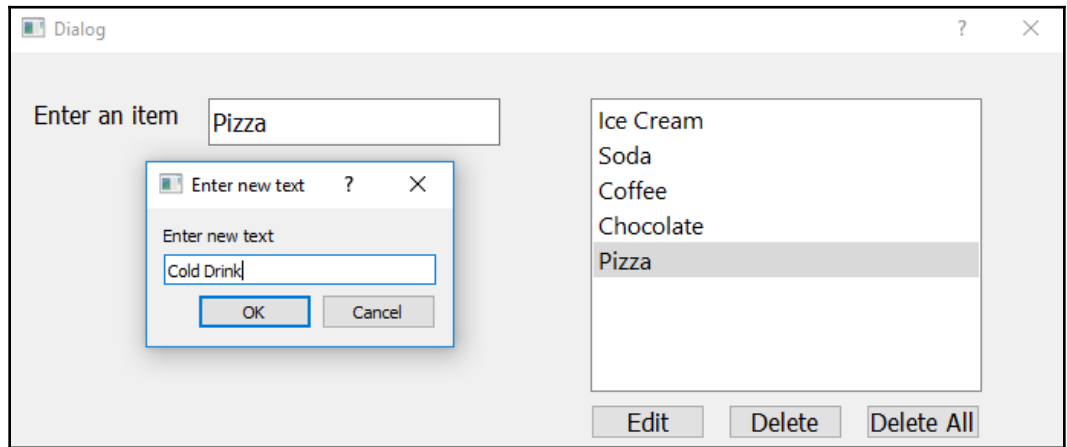
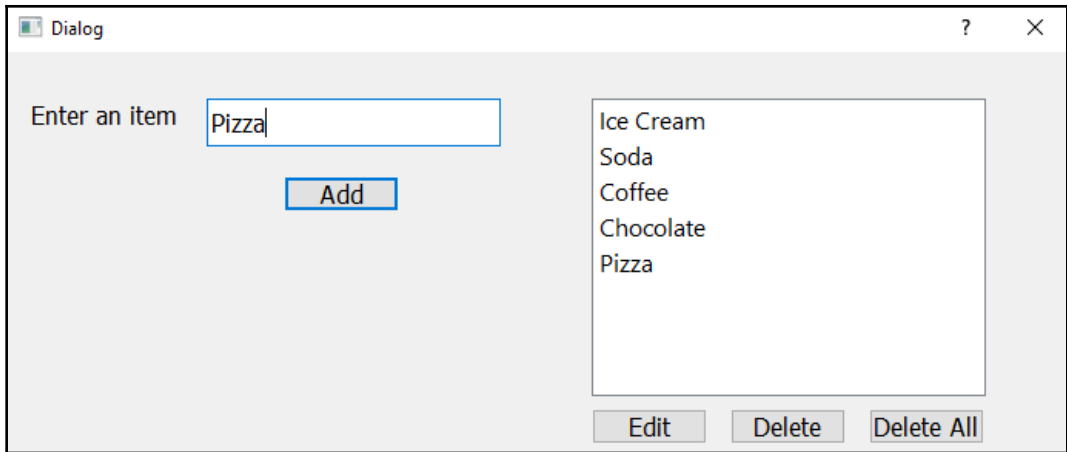


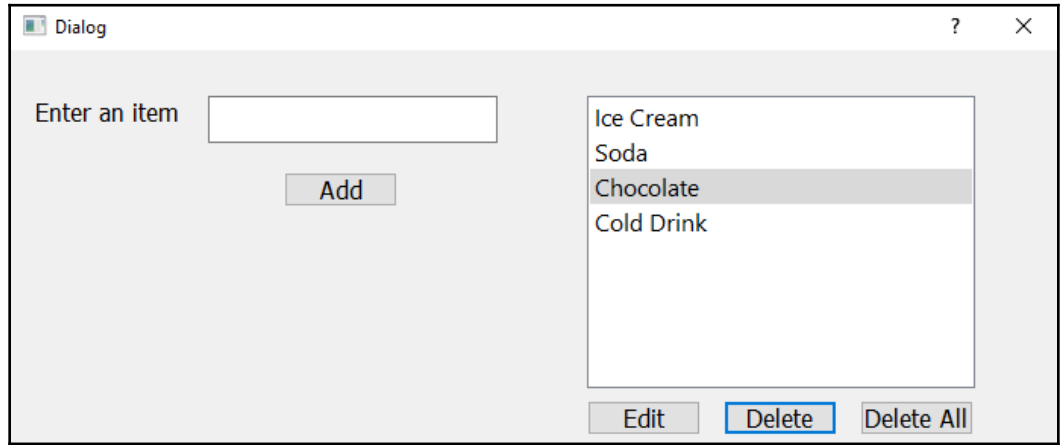
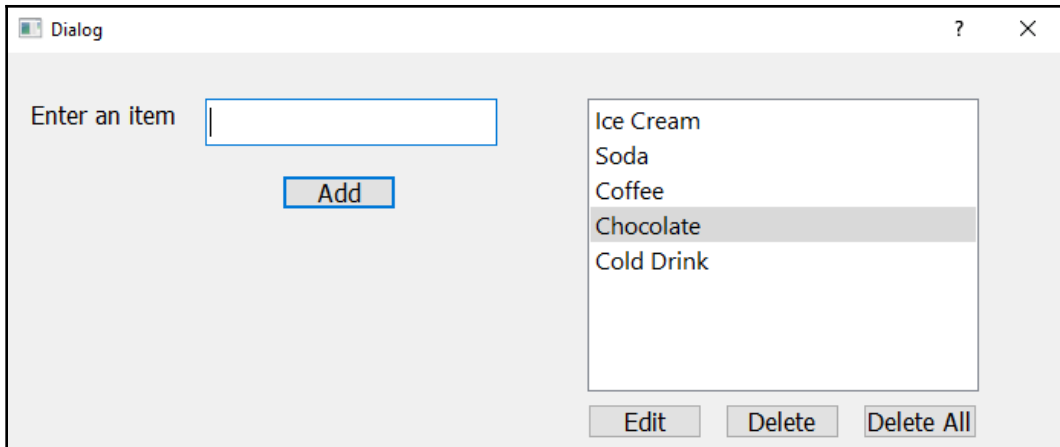


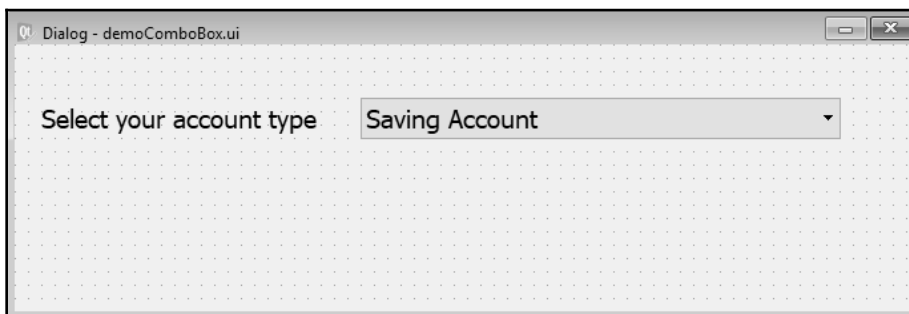
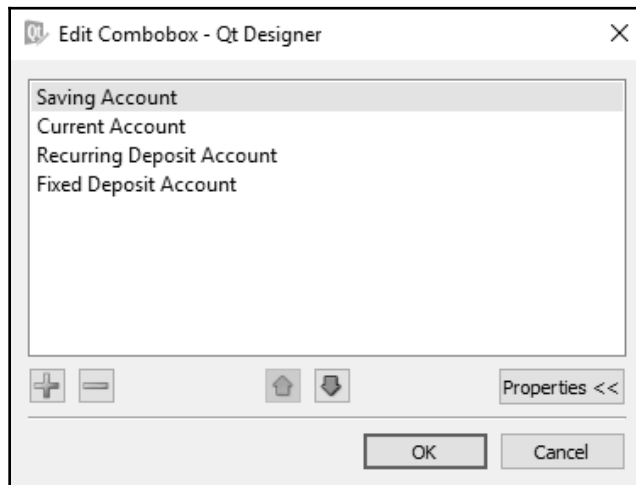
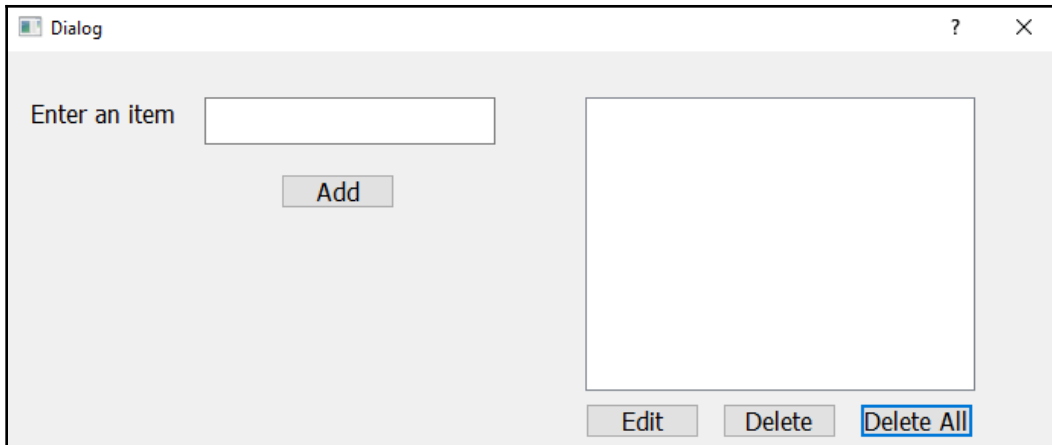


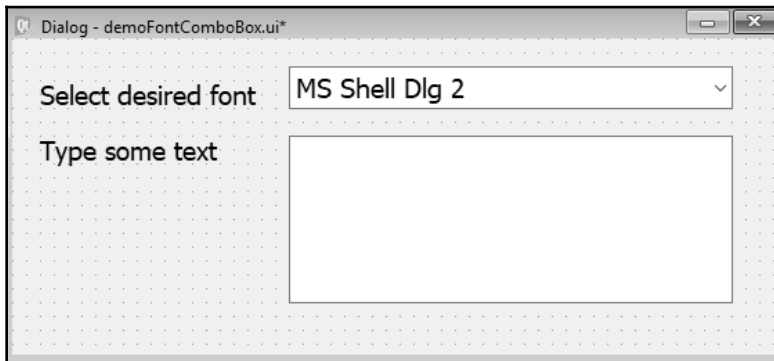
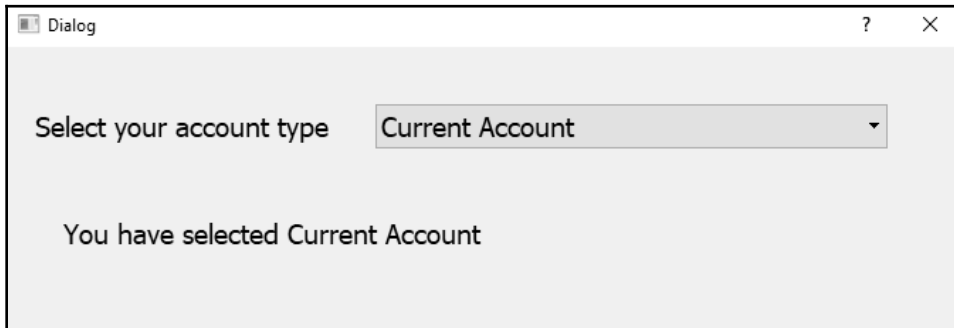
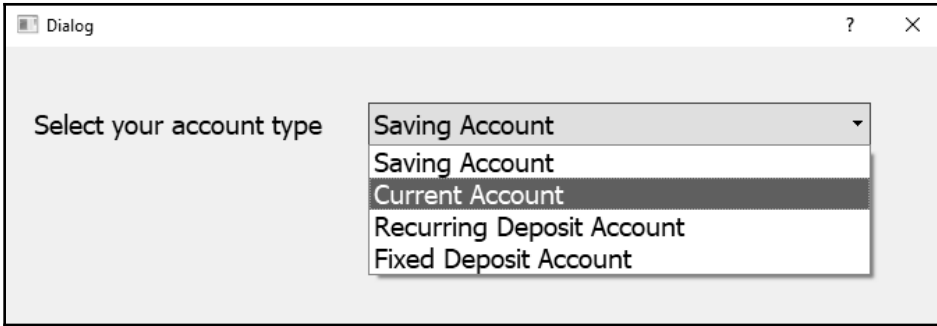


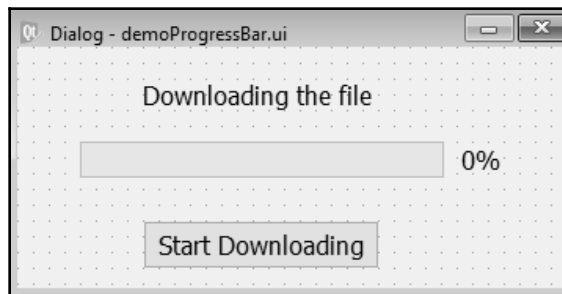
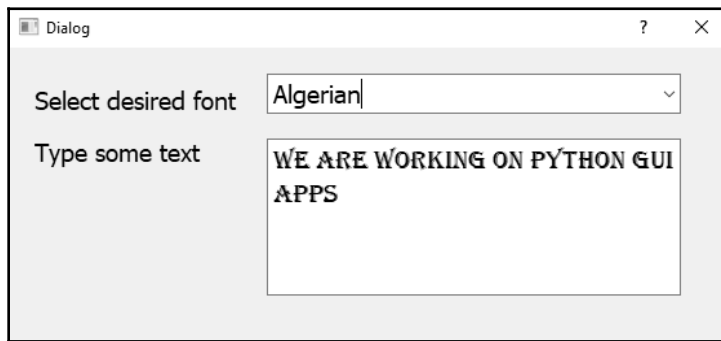
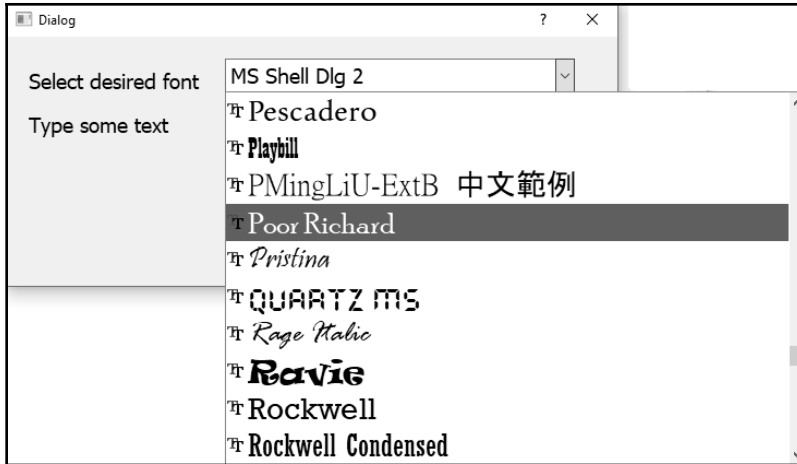


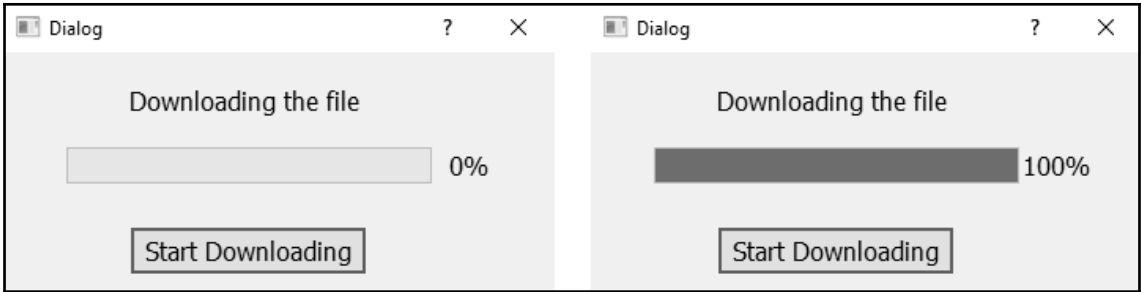




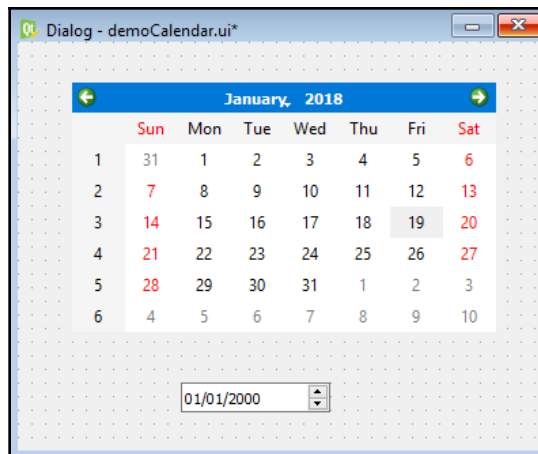
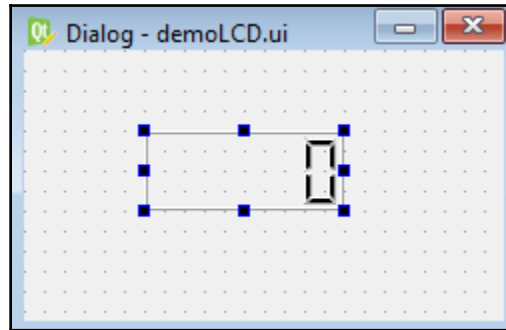


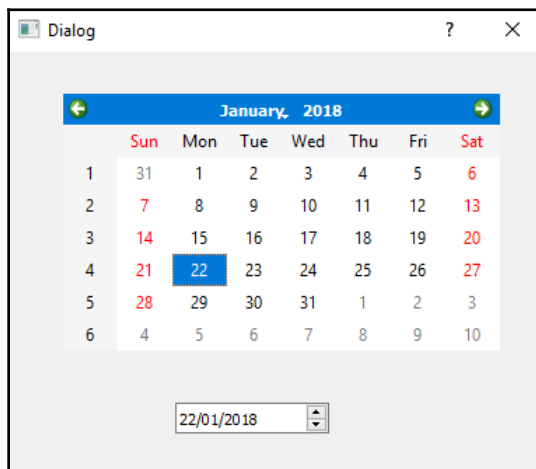
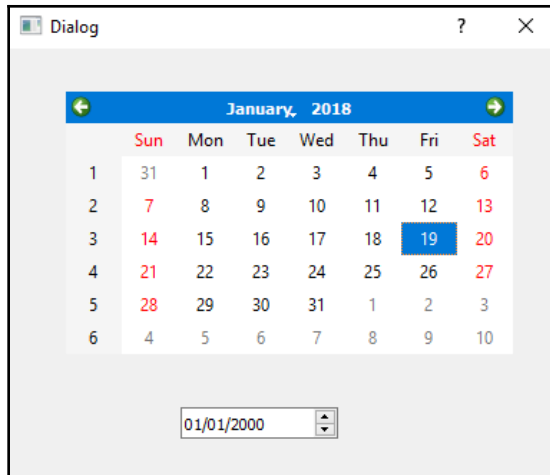


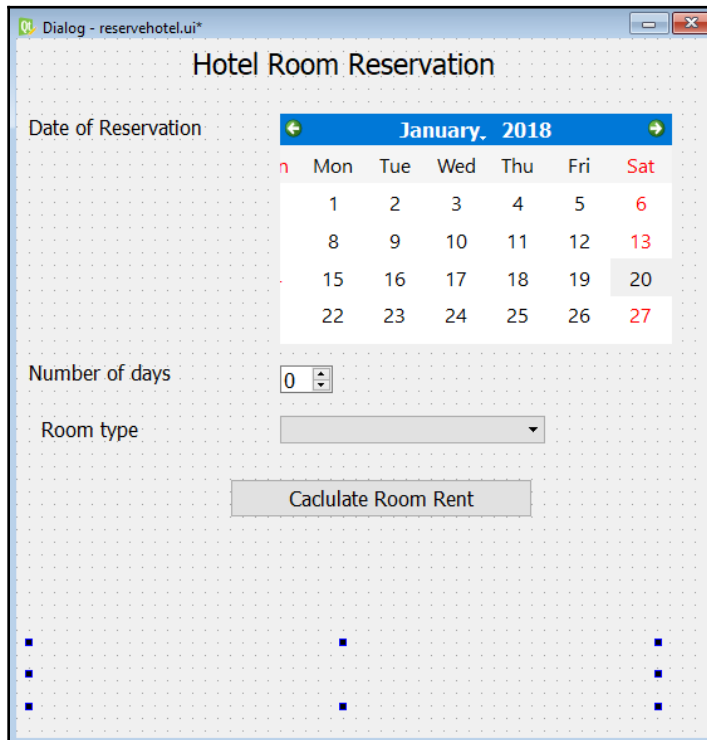
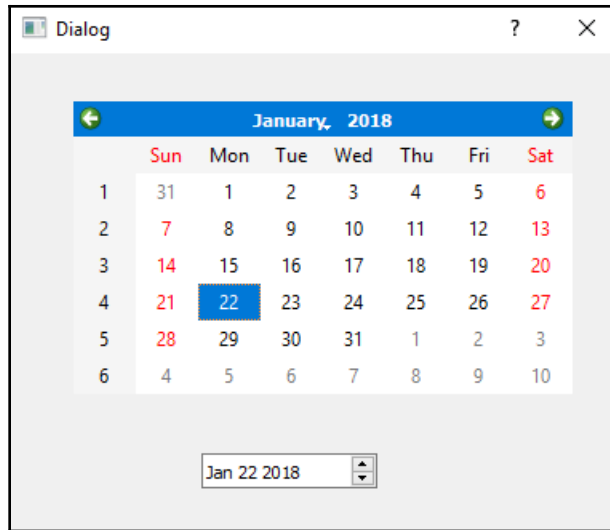




Chapter 3: Working with Date and Time







Dialog

Hotel Room Reservation

Date of Reservation ← January, 2018 →

	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
	8	9	10	11	12	13
	15	16	17	18	19	20
	22	23	24	25	26	27

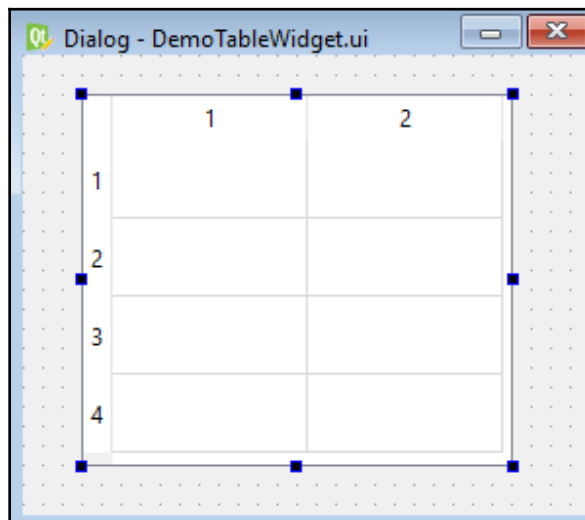
Number of days

Room type Super Luxury ▾

Caclulate Room Rent

Date of reservation: 2018-01-23, Number of days: 2
and Room type selected: Super Luxury

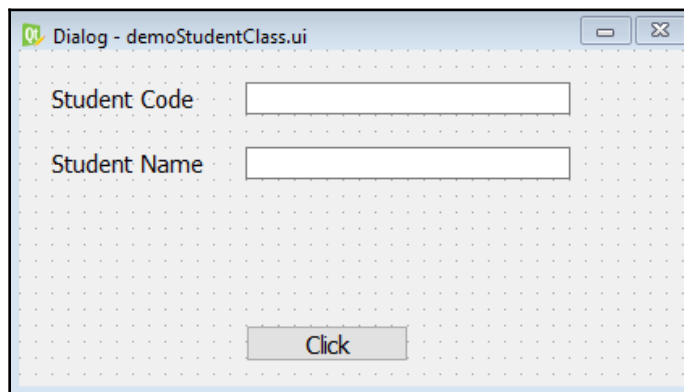
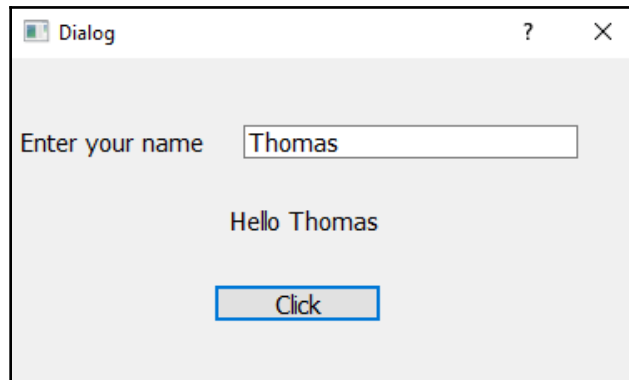
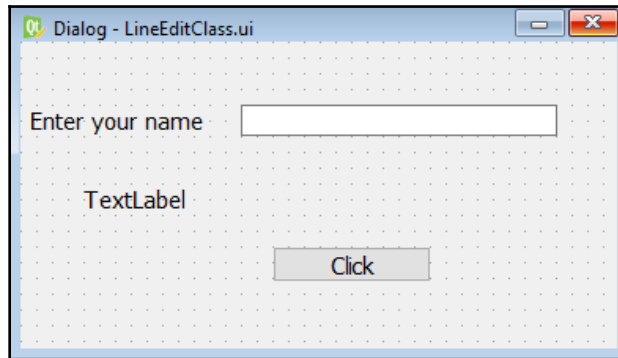
Room Rent for single day for Super Luxury type is 30\$.
Total room rent is 60\$

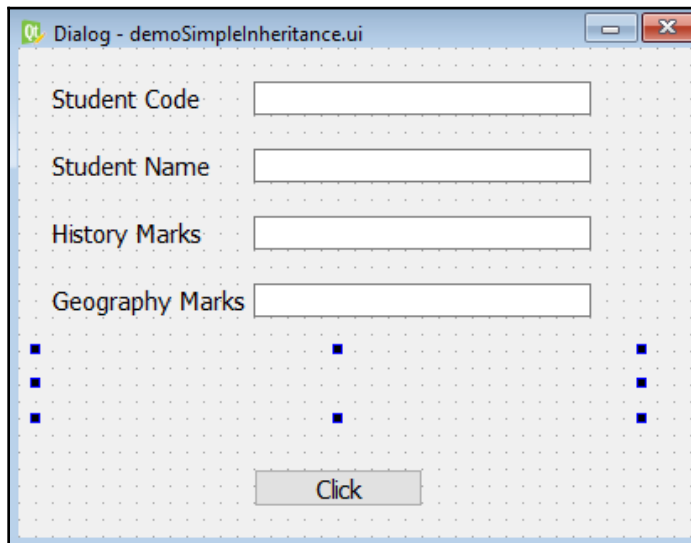
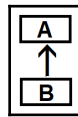
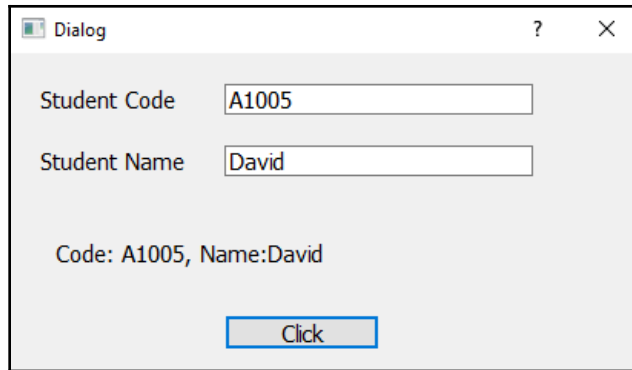


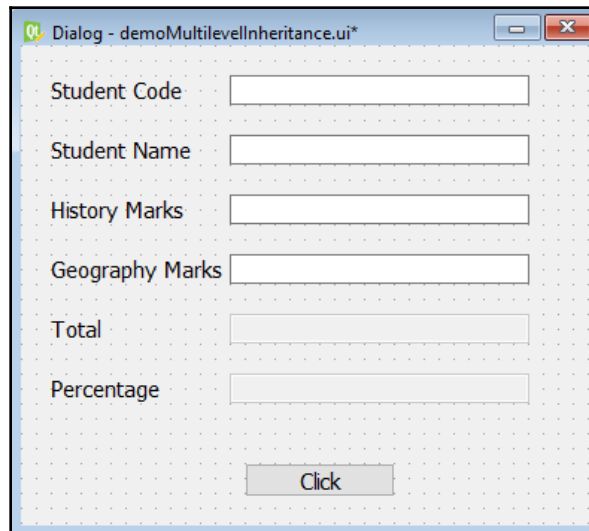
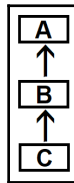
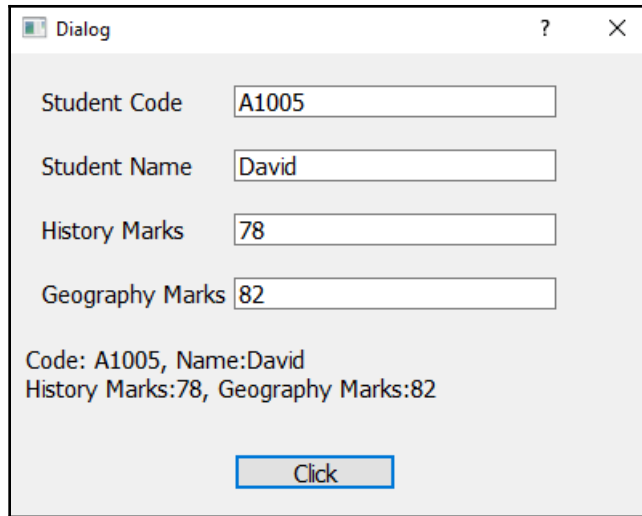
The image shows a dialog box window titled "Dialog" with a question mark icon and a close button. Inside the dialog is a table with two columns and four rows. The first row is highlighted with a dotted border.

	1	2
1	Suite	40\$
2	Super Luxury	30\$
3	Super Deluxe	20\$
4	Ordinary	10\$

Chapter 4: Understanding OOP Concepts

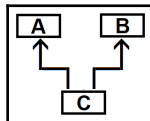






Dialog

Student Code	<input type="text" value="A1005"/>
Student Name	<input type="text" value="David"/>
History Marks	<input type="text" value="78"/>
Geography Marks	<input type="text" value="82"/>
Total	<input type="text" value="160"/>
Percentage	<input type="text" value="80.0"/>



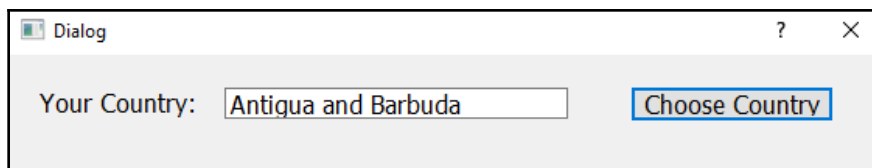
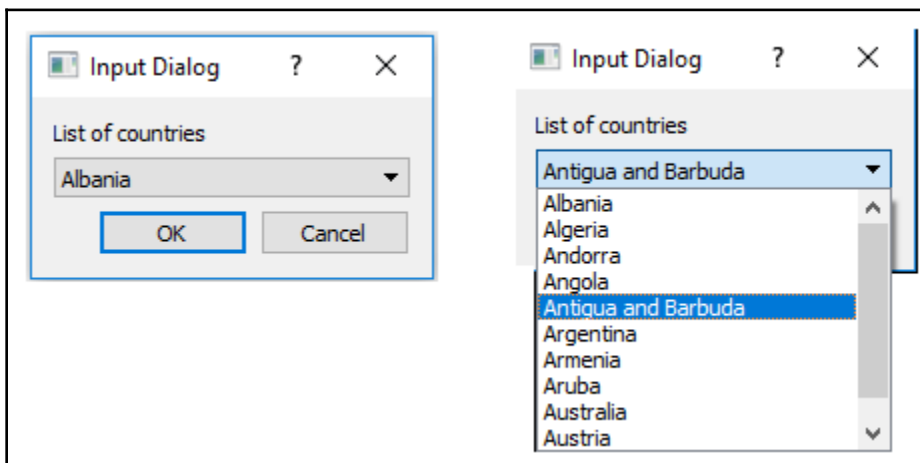
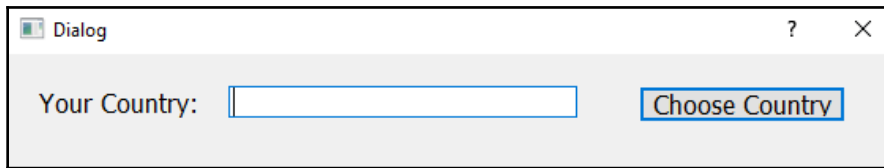
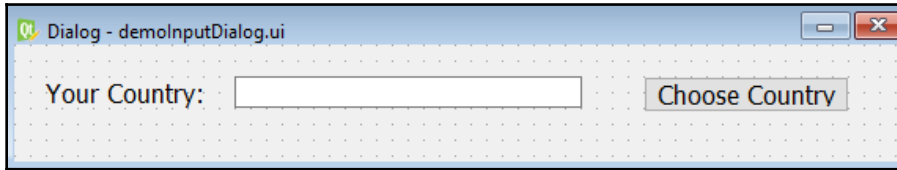
Dialog - demoMultipleInheritance.ui

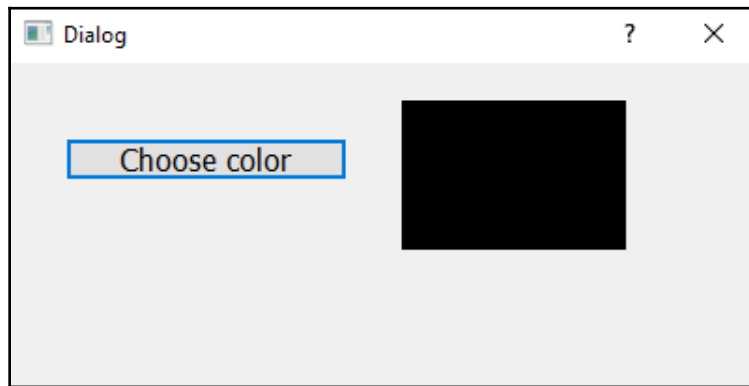
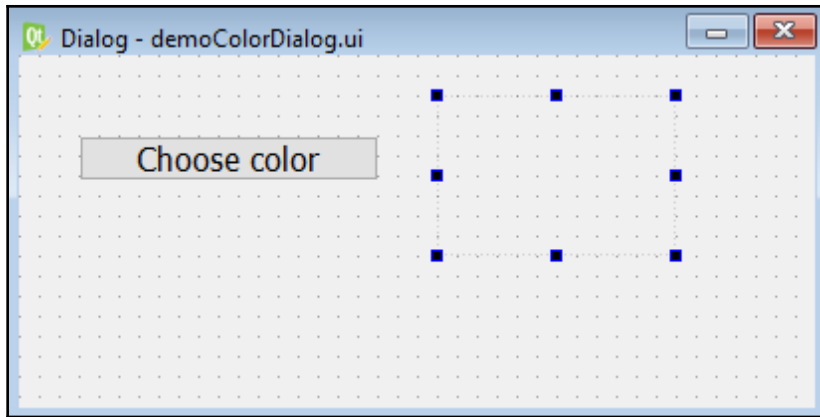
Student Code	<input type="text"/>
Student Name	<input type="text"/>
History Marks	<input type="text"/>
Geography Marks	<input type="text"/>
Total	<input type="text"/>
Percentage	<input type="text"/>

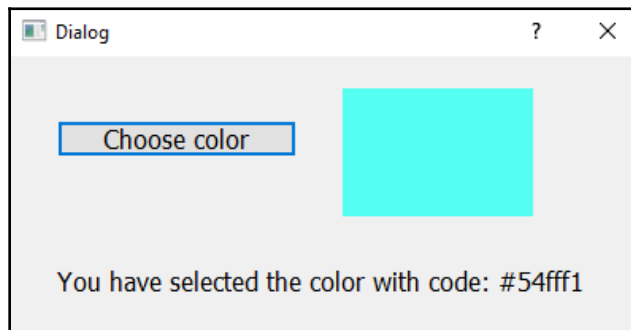
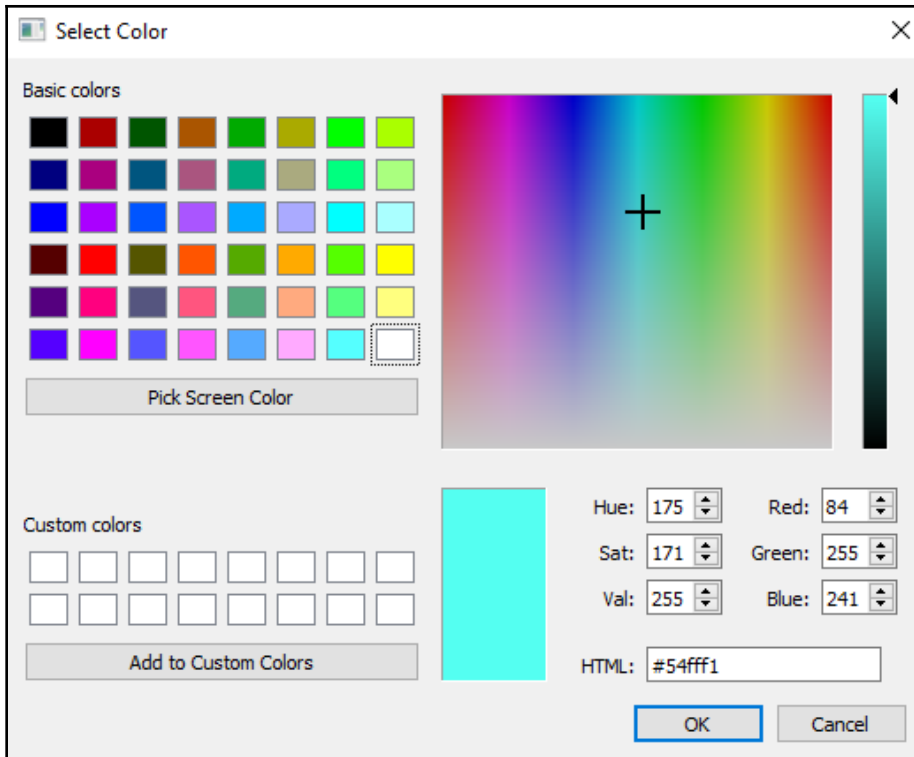
Dialog ? X

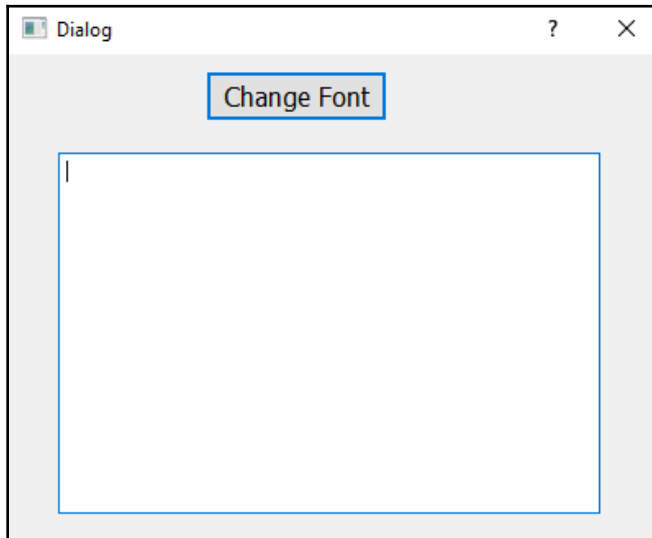
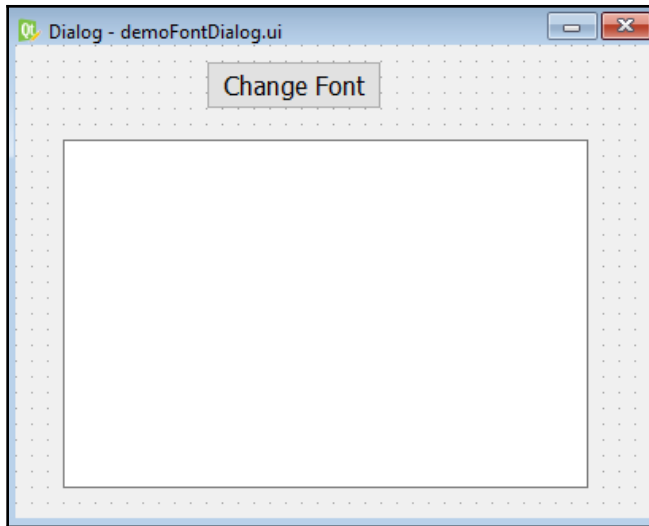
Student Code	<input type="text" value="A1005"/>
Student Name	<input type="text" value="David"/>
History Marks	<input type="text" value="78"/>
Geography Marks	<input type="text" value="82"/>
Total	<input type="text" value="160"/>
Percentage	<input type="text" value="80.0"/>

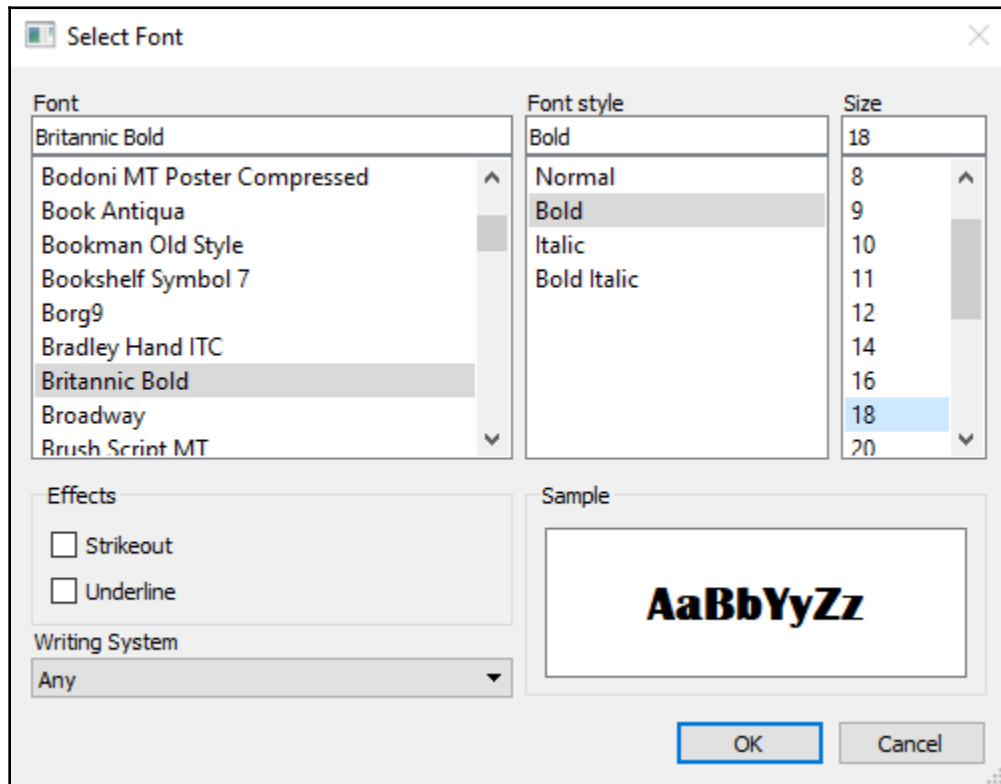
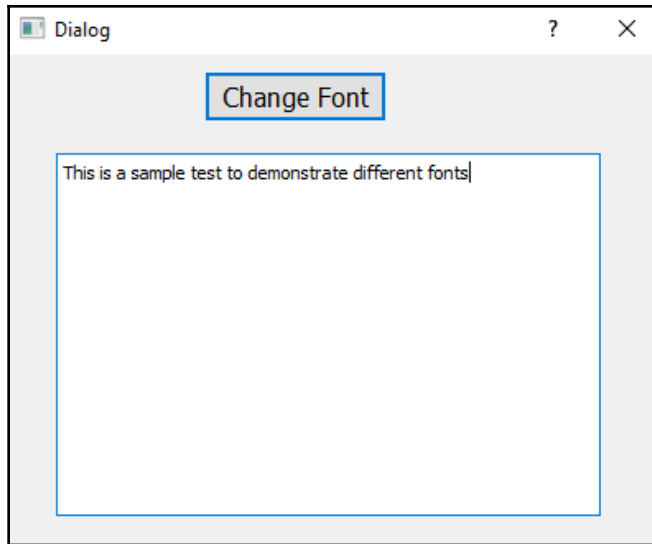
Chapter 5: Understanding Dialogs

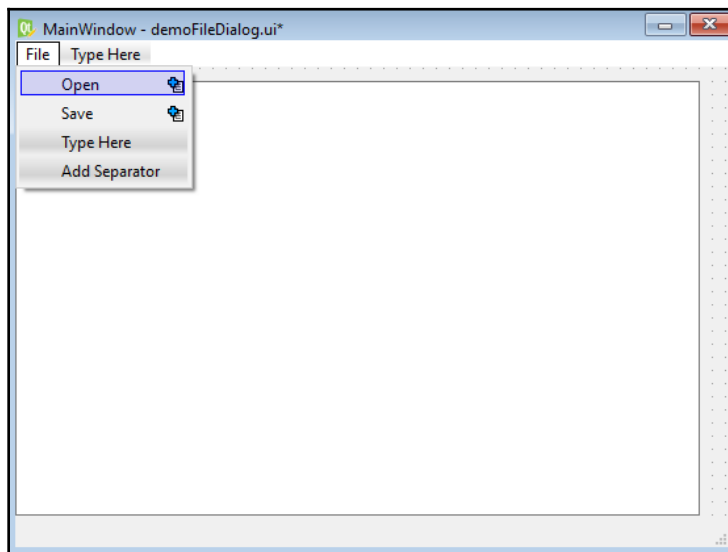
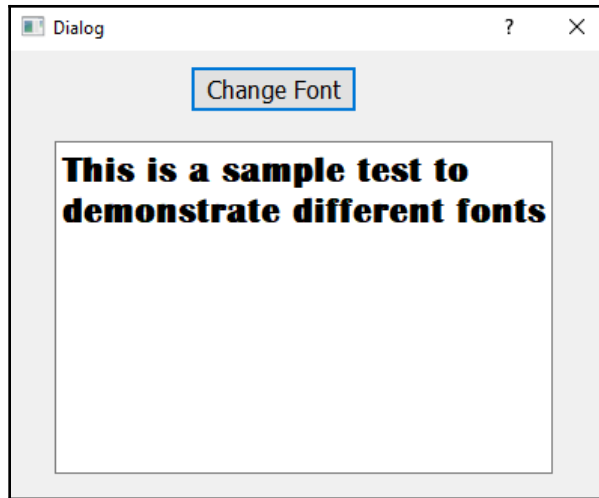


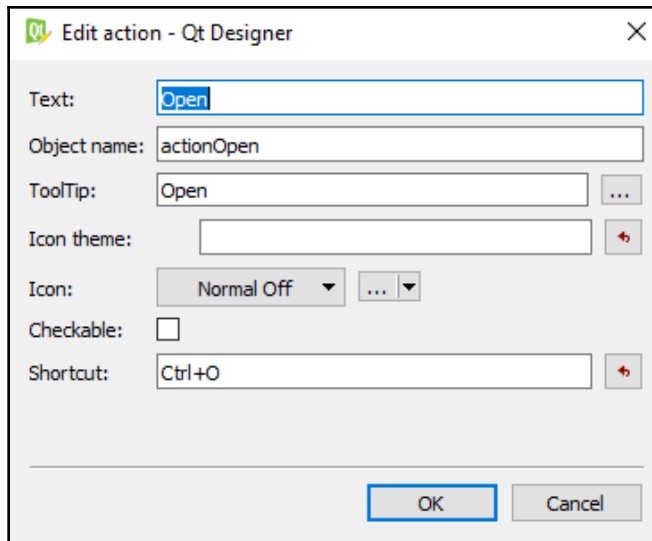
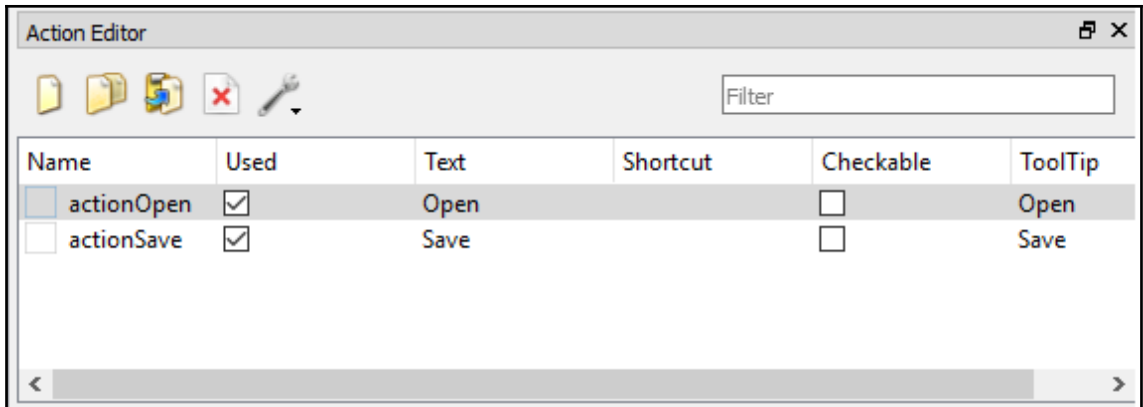


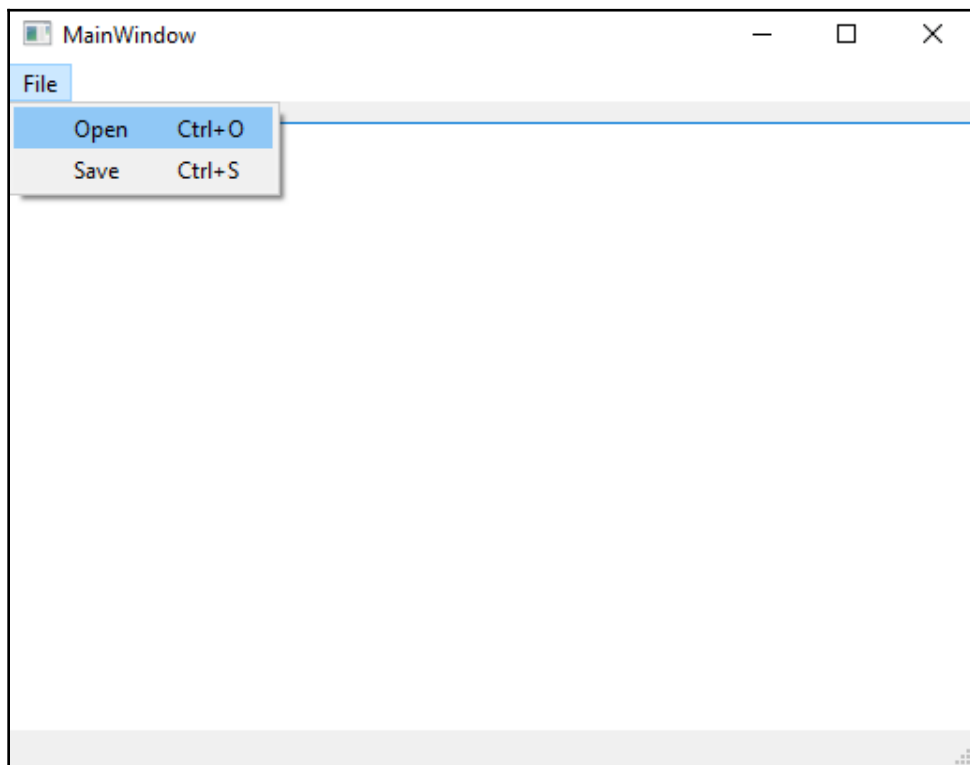
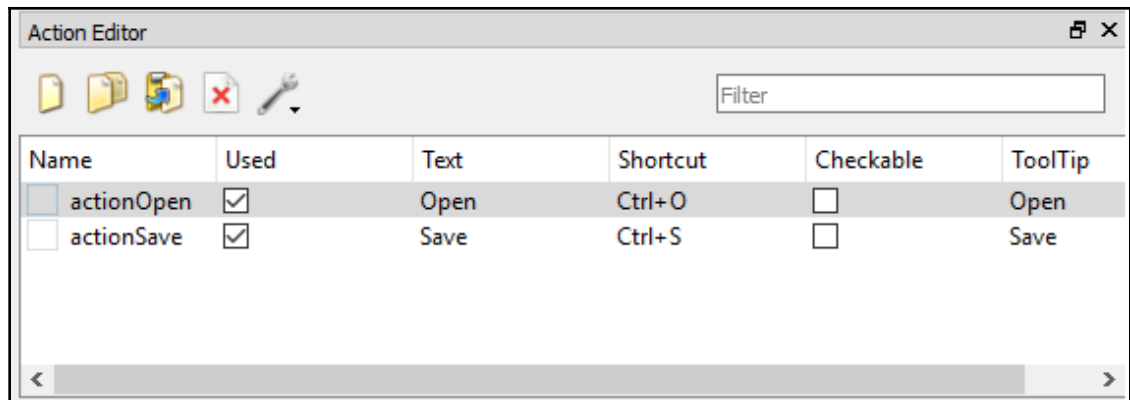


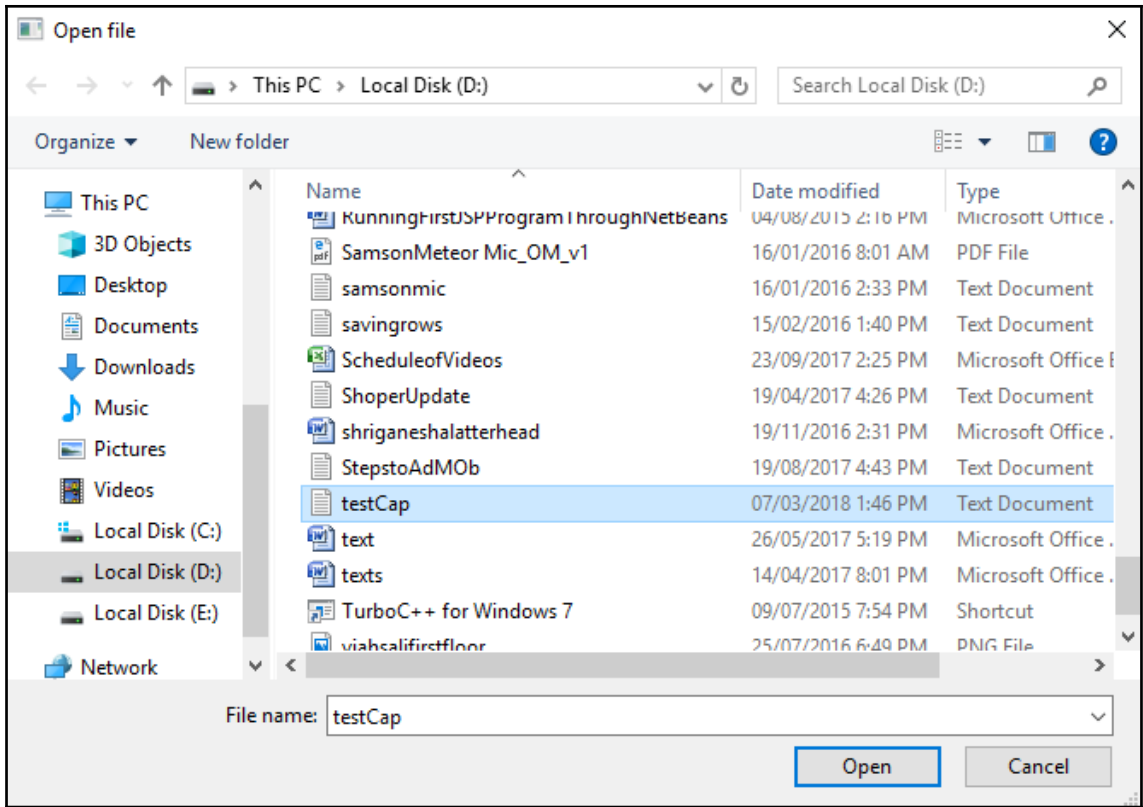


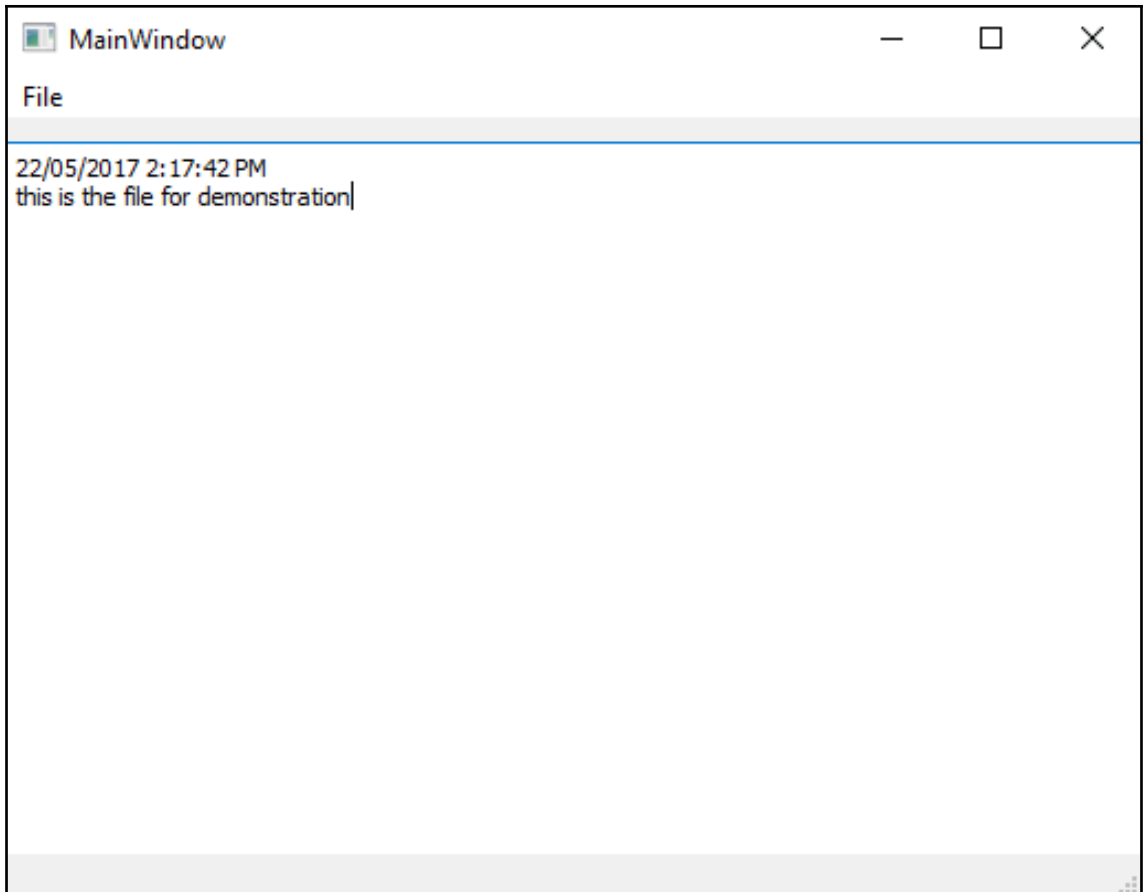


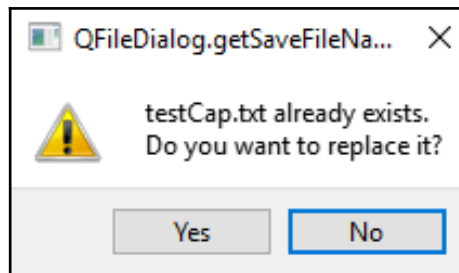
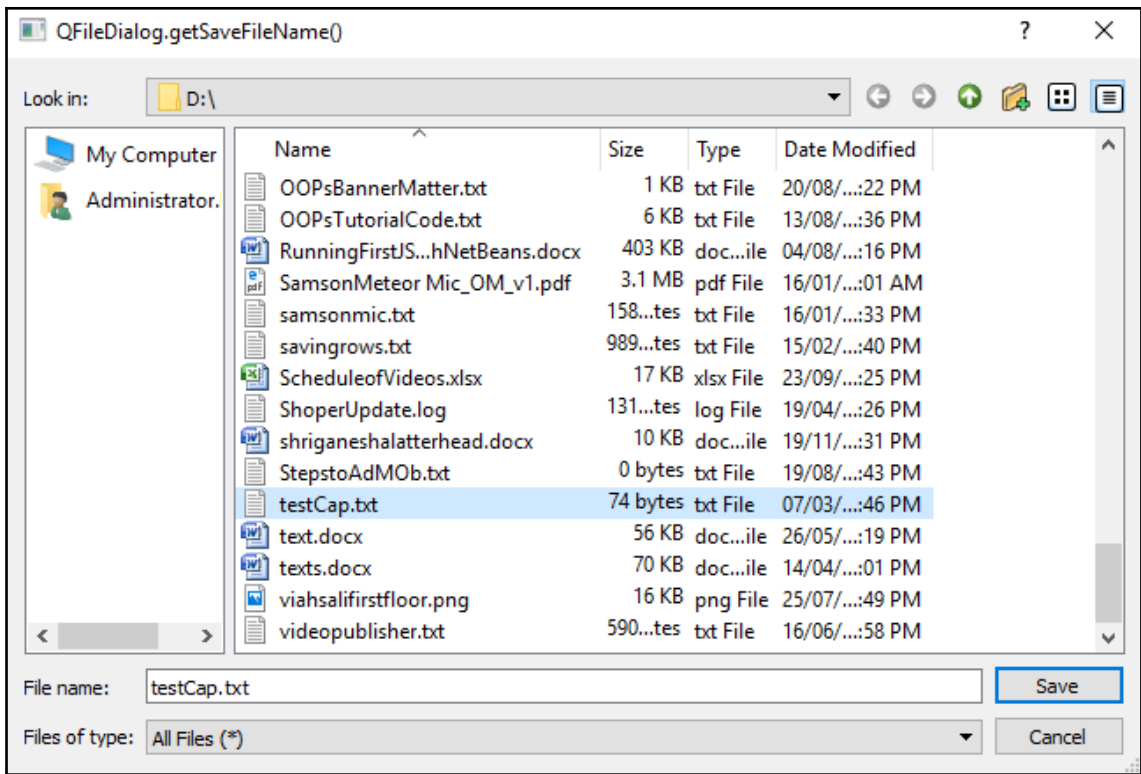




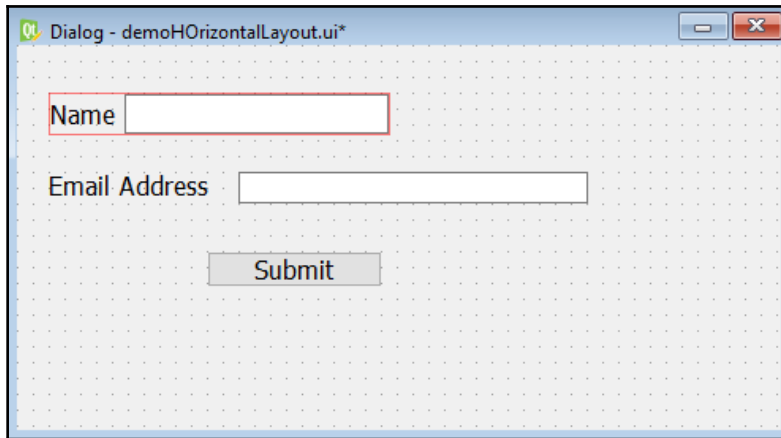
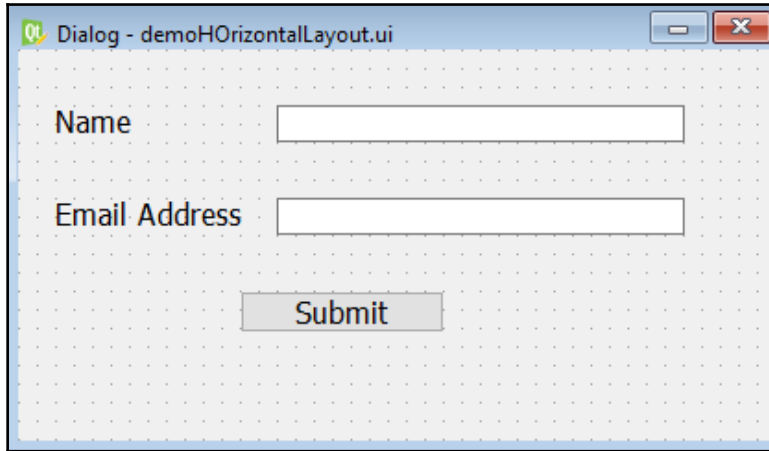


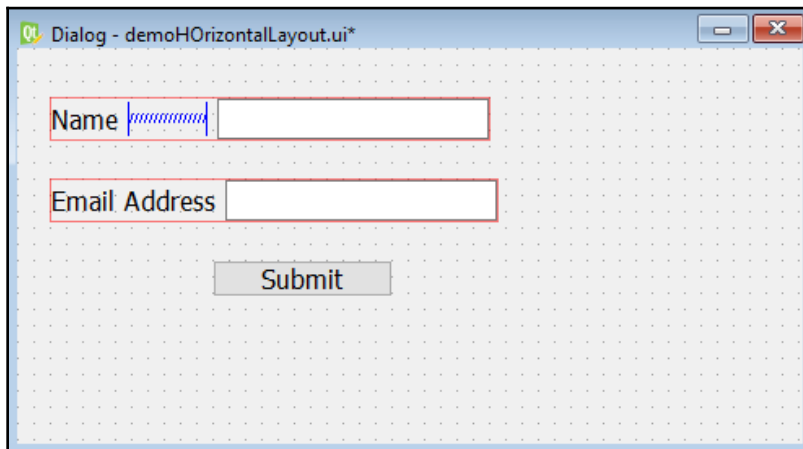
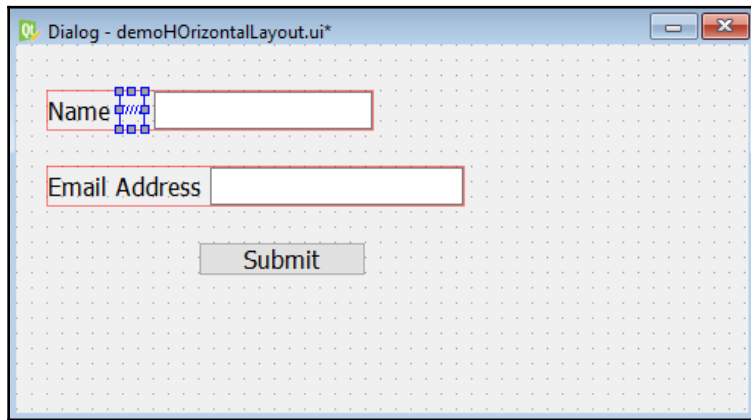
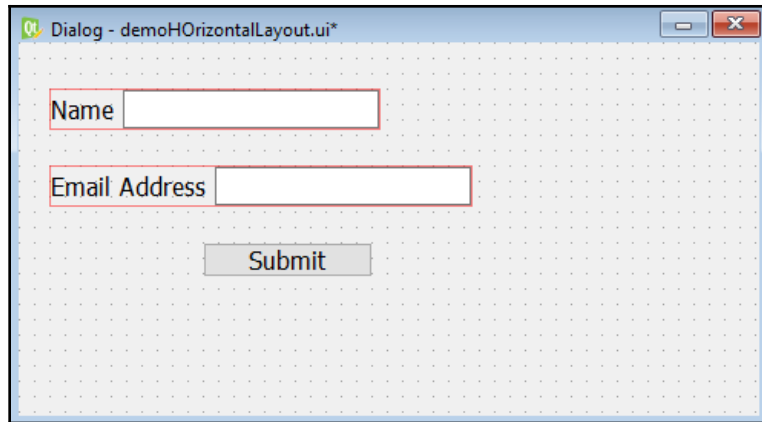


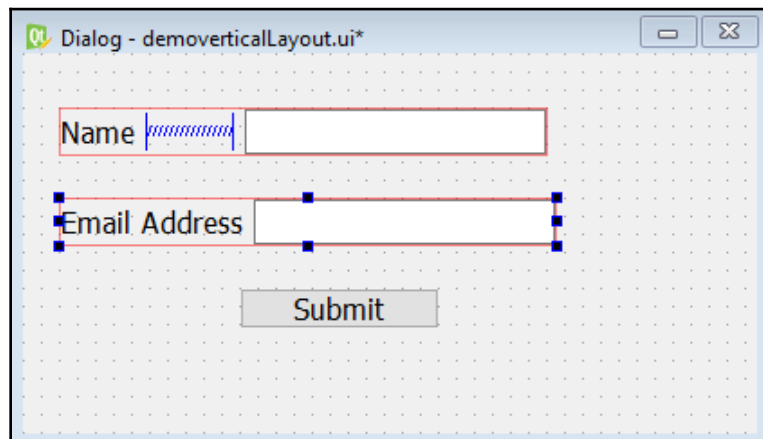
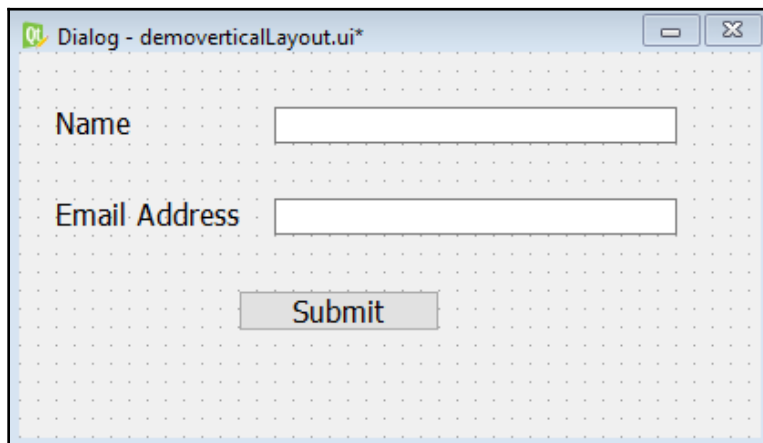
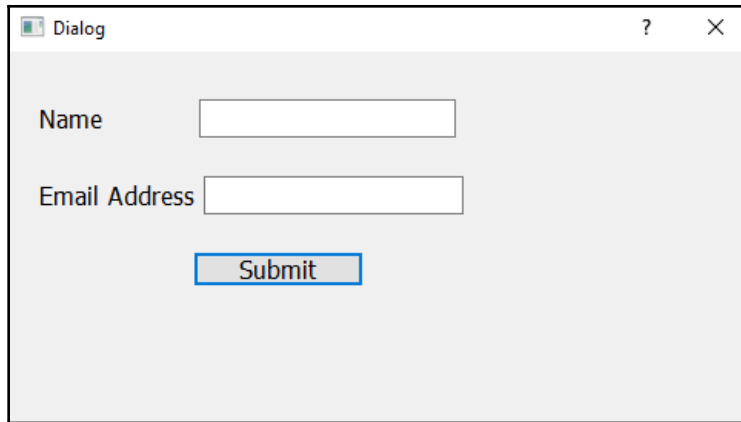


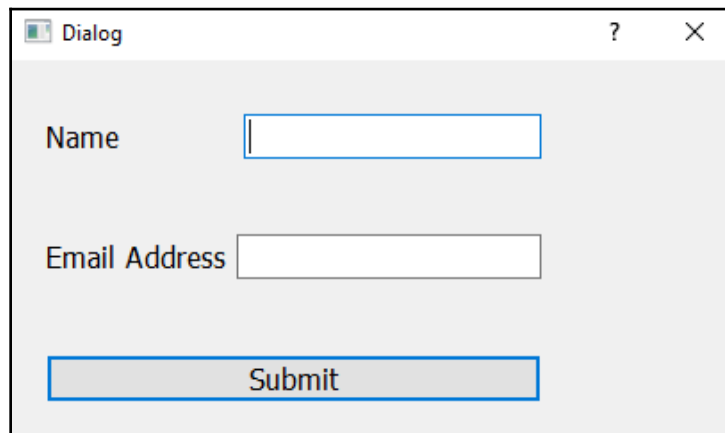
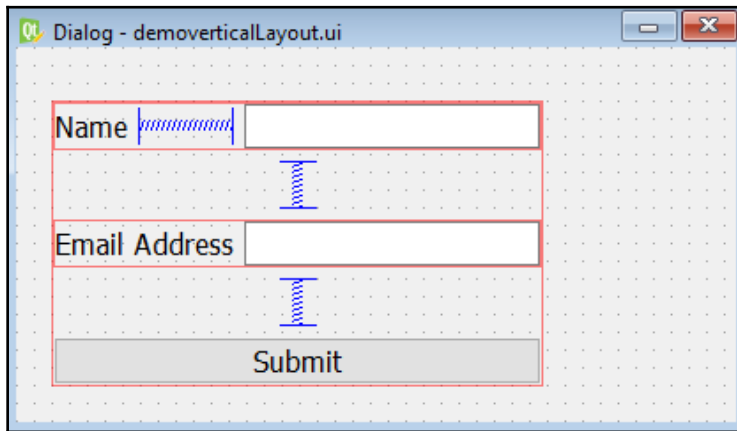
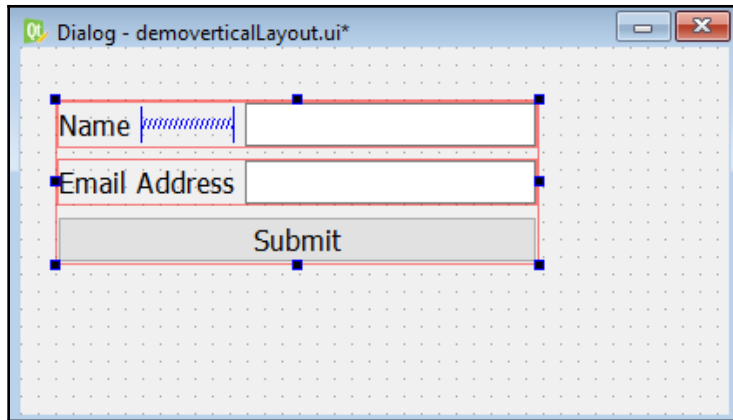


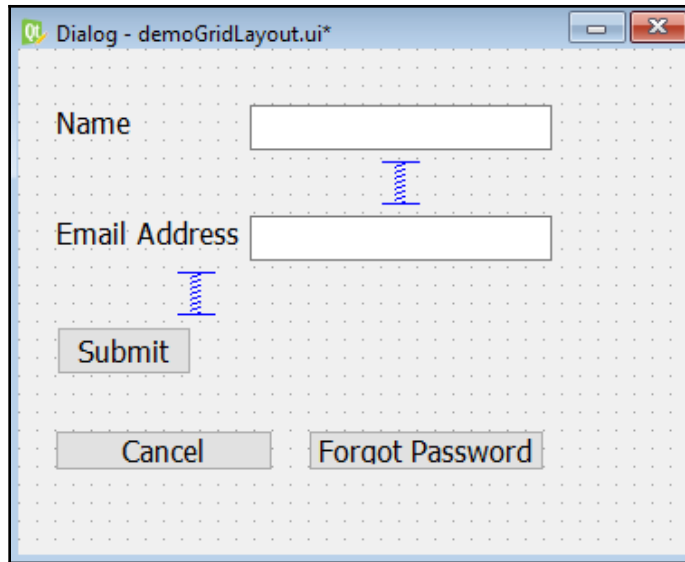
Chapter 6: Understanding Layouts

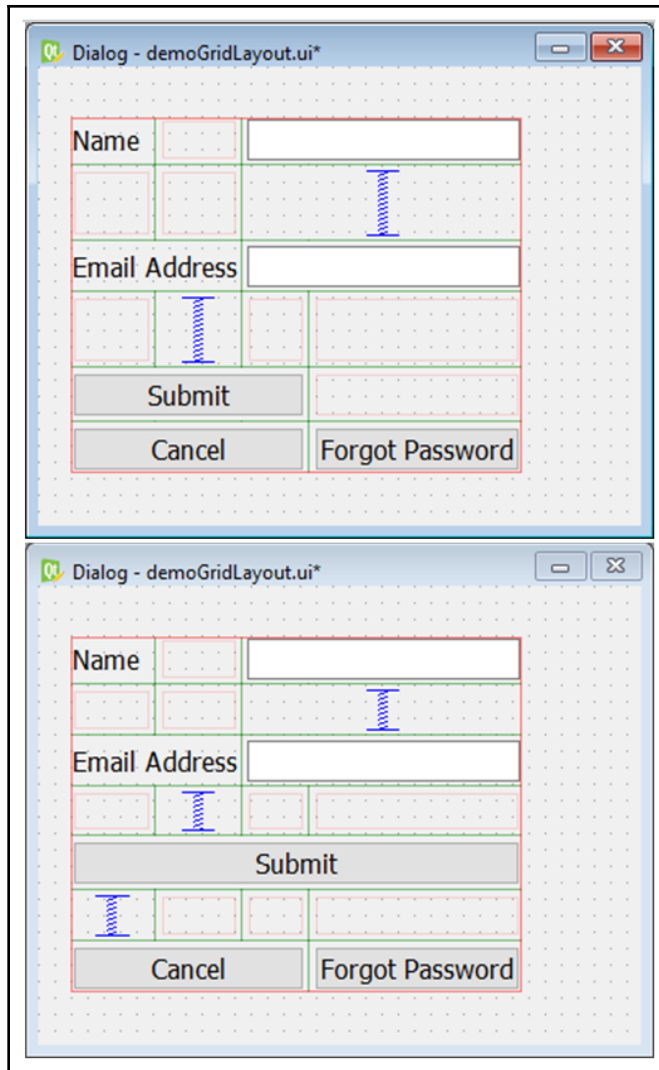


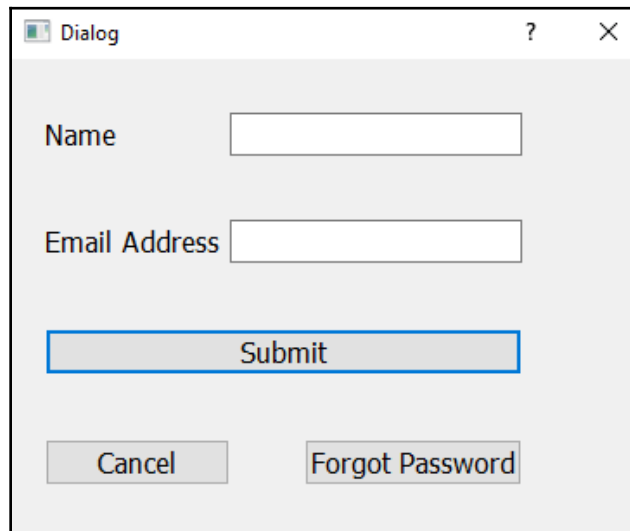
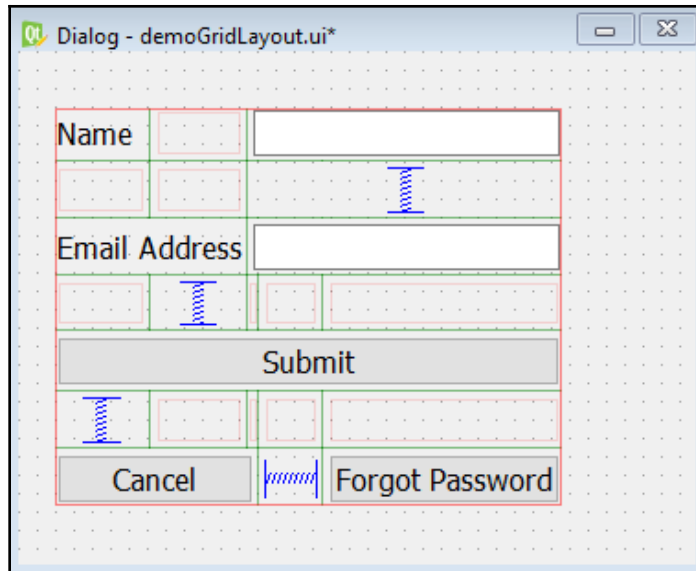


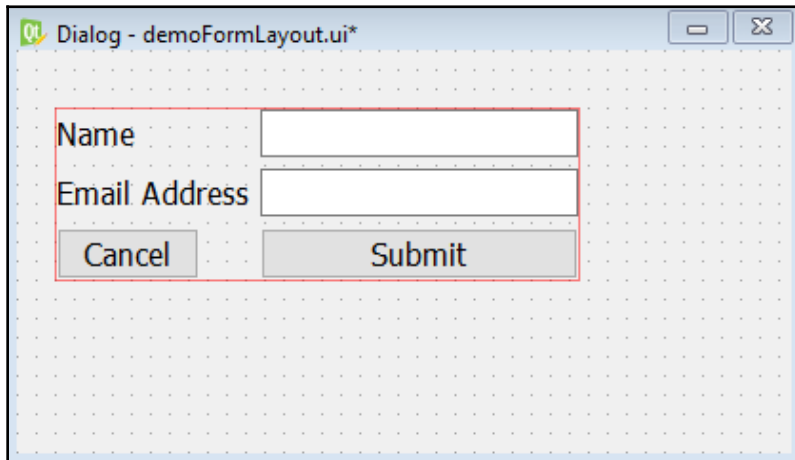
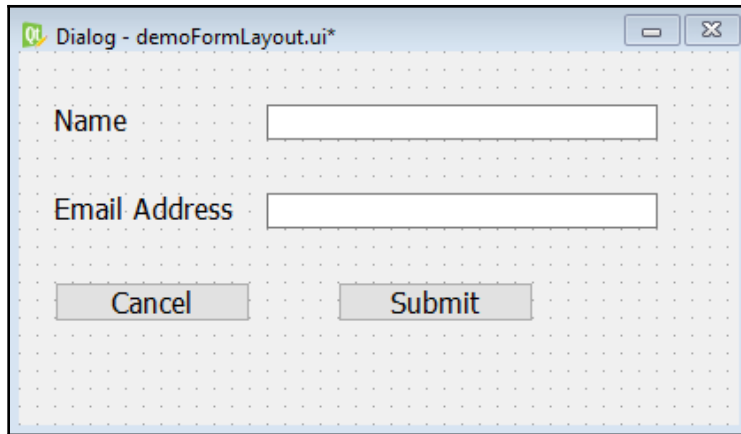


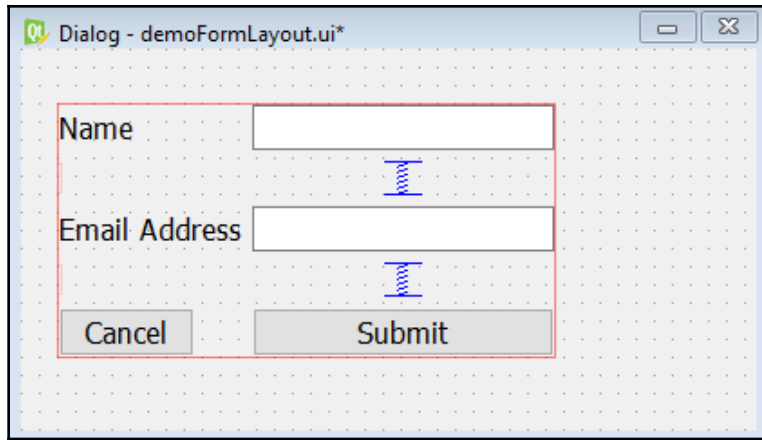


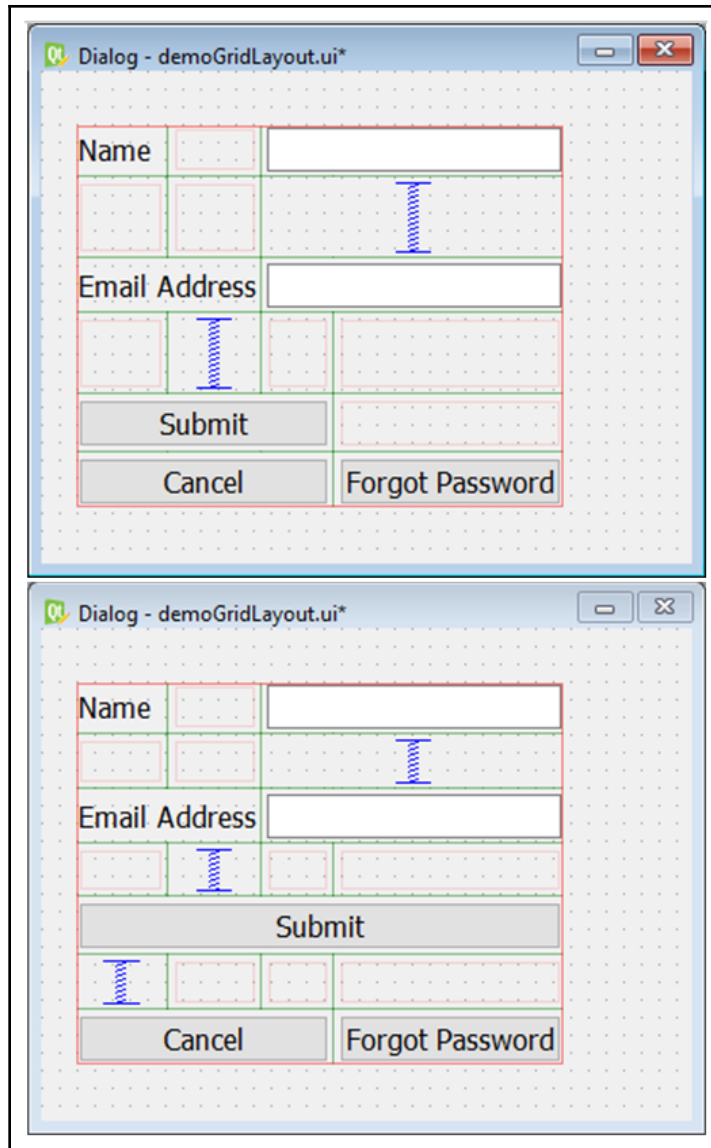




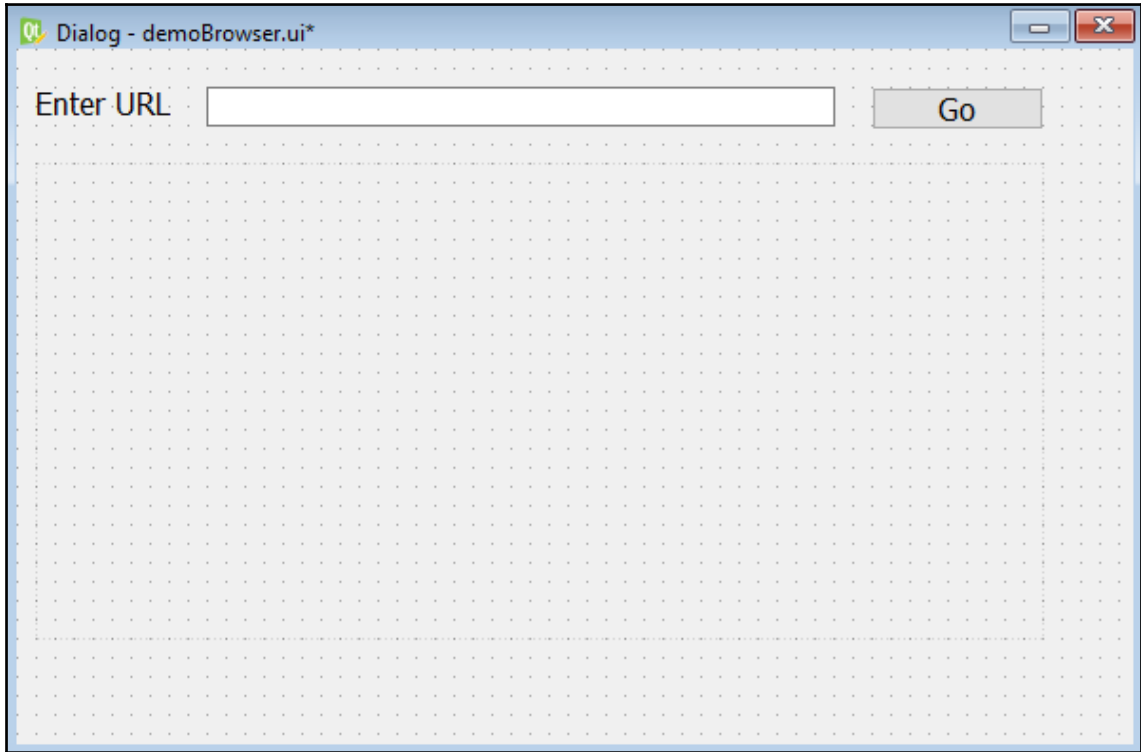


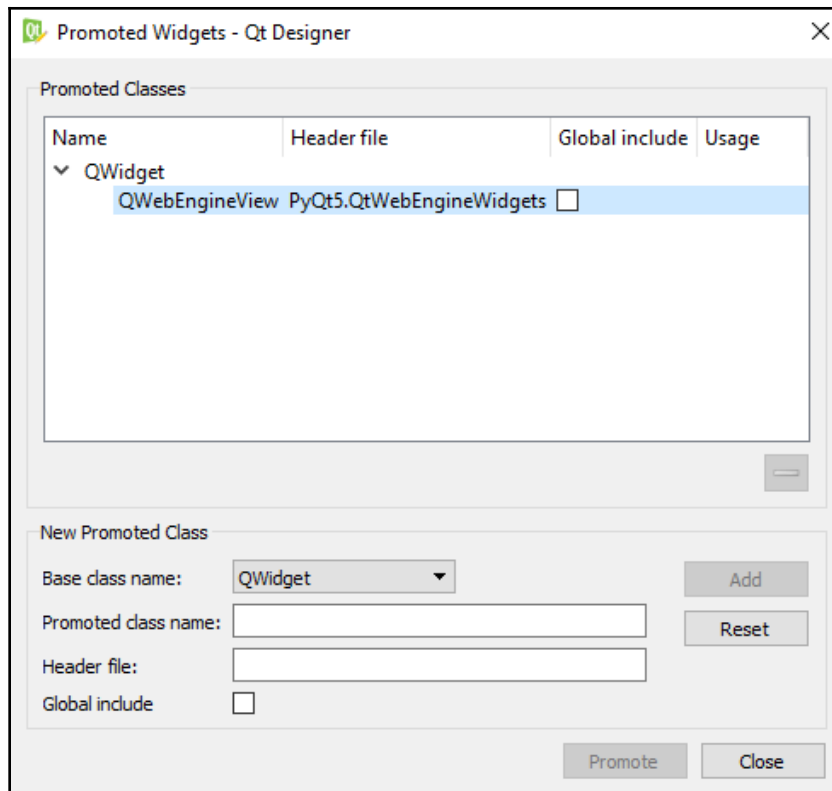


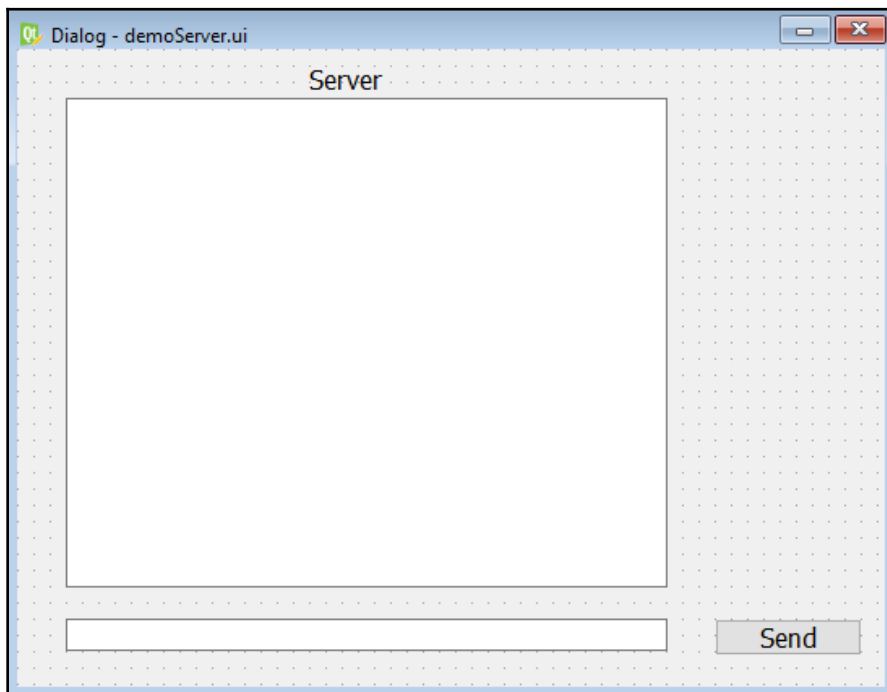
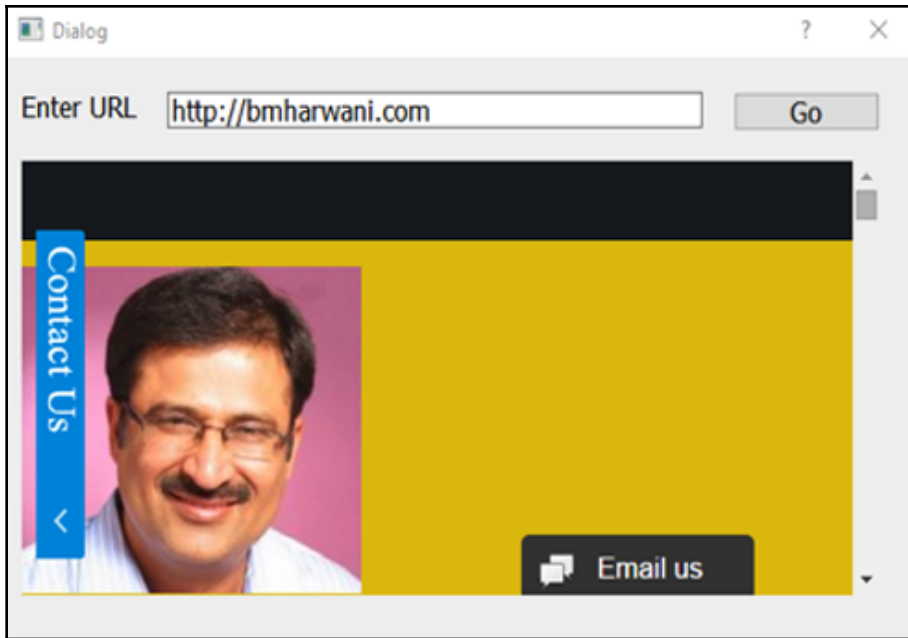


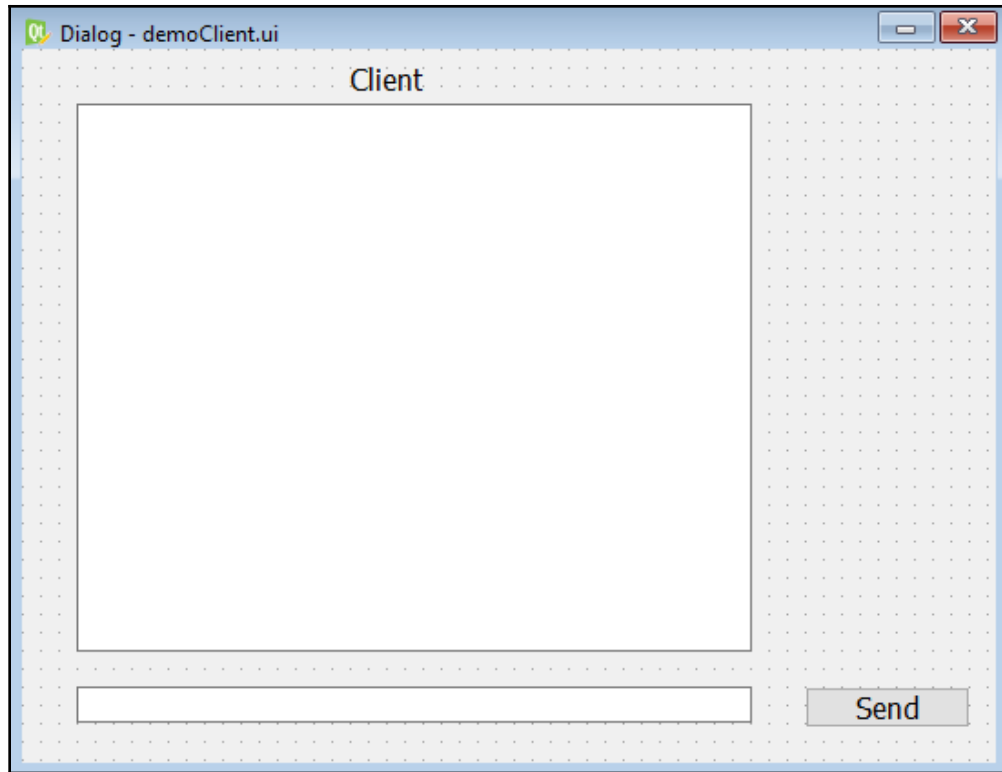


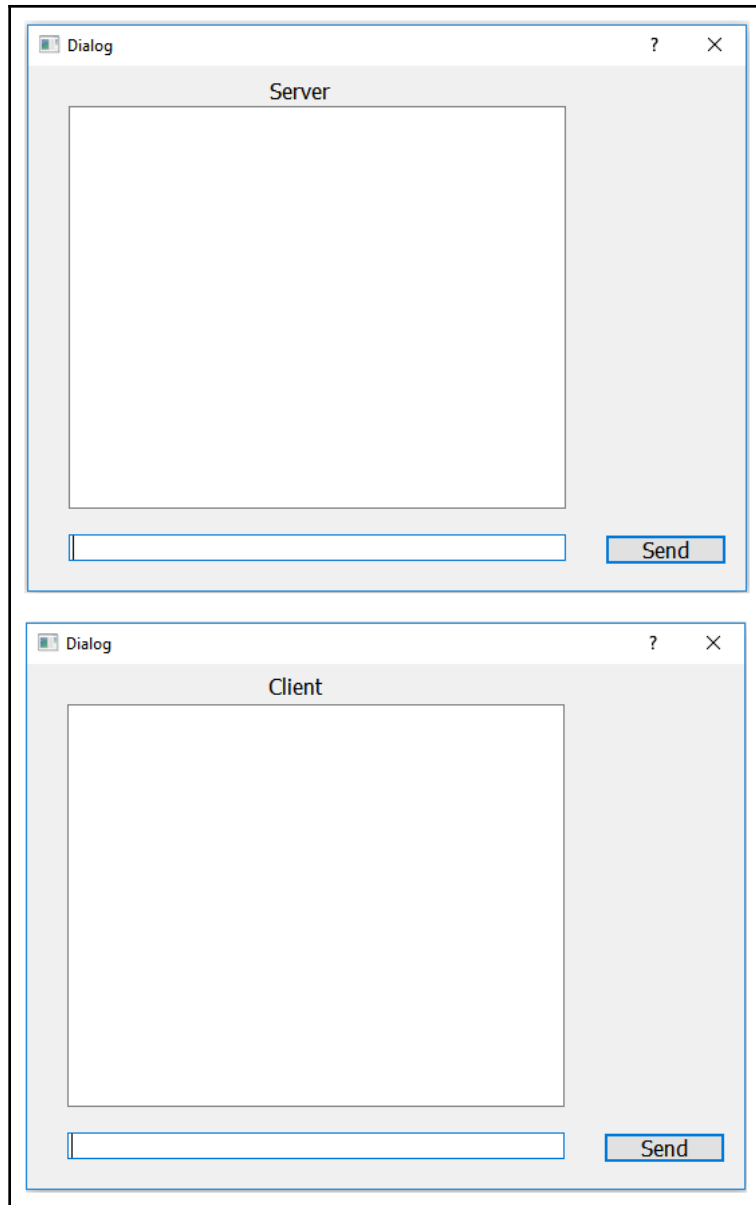
Chapter 7: Networking and Managing Large Documents

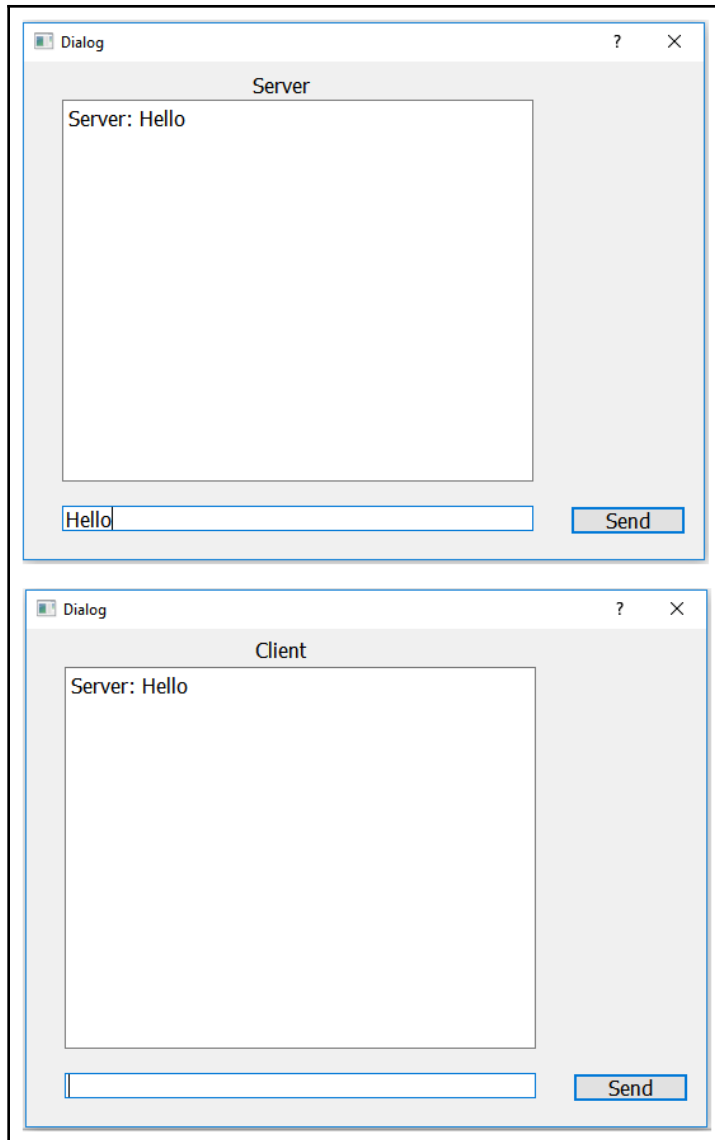


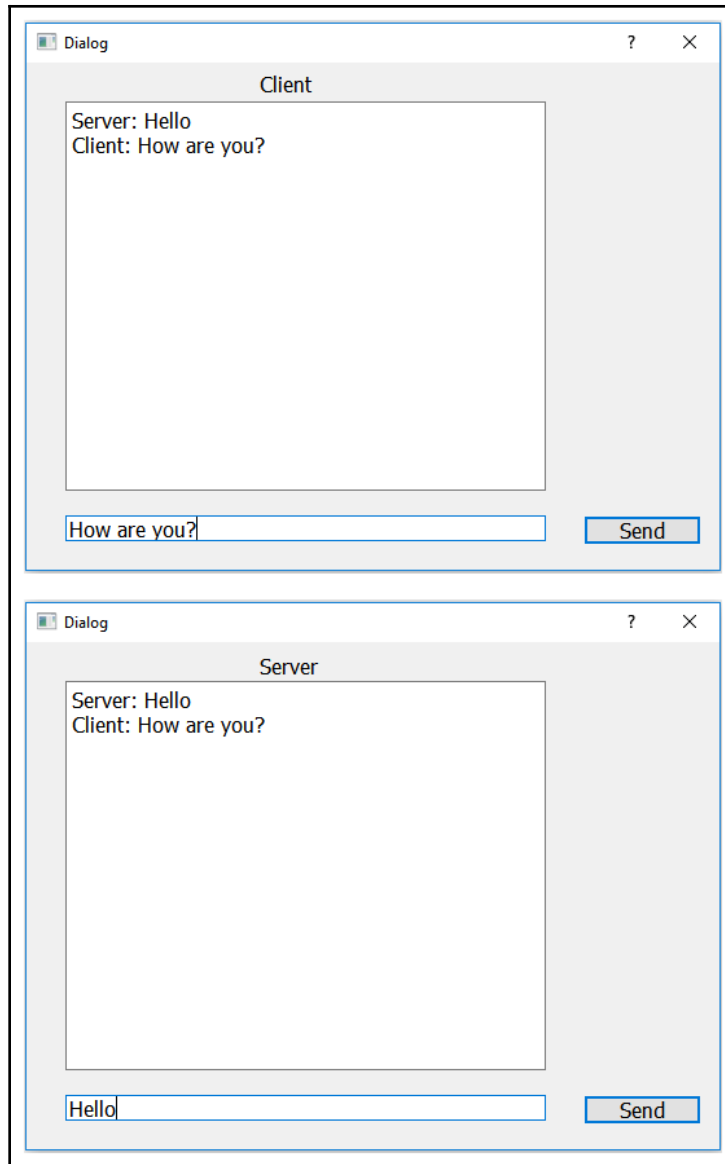


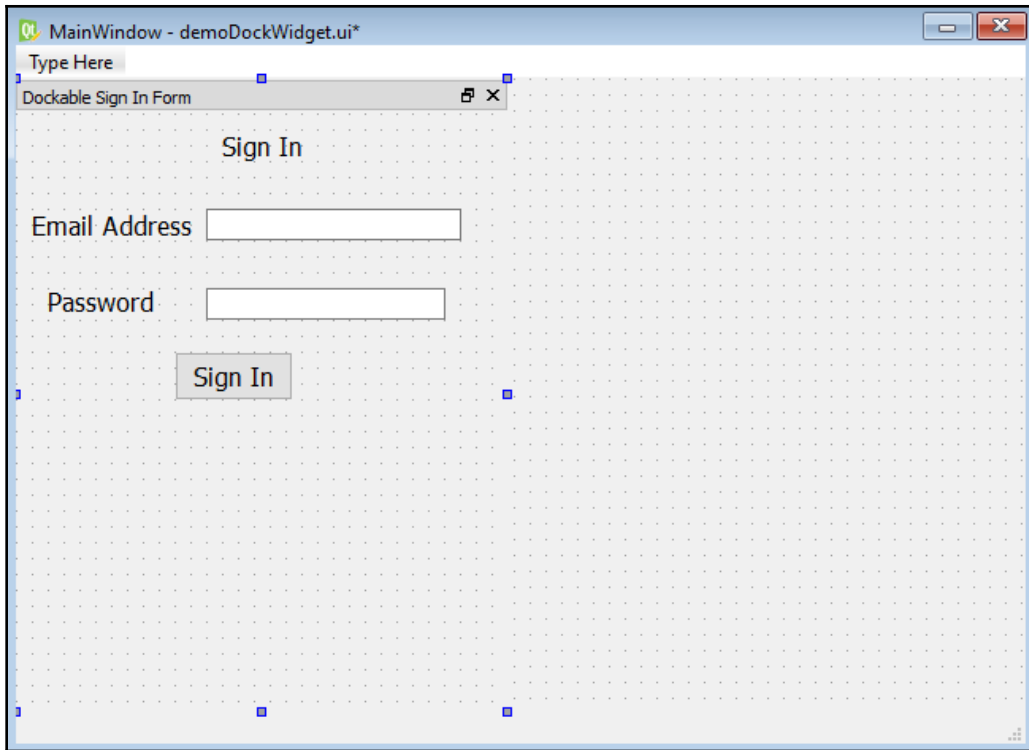


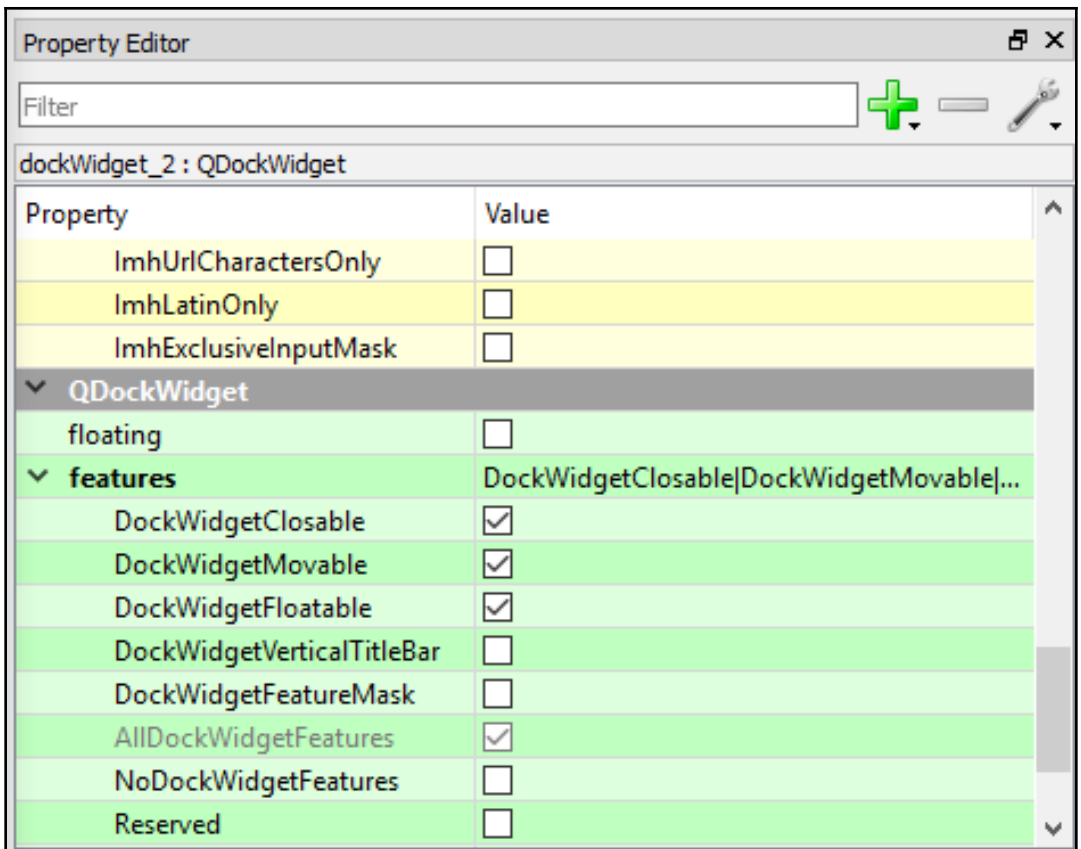


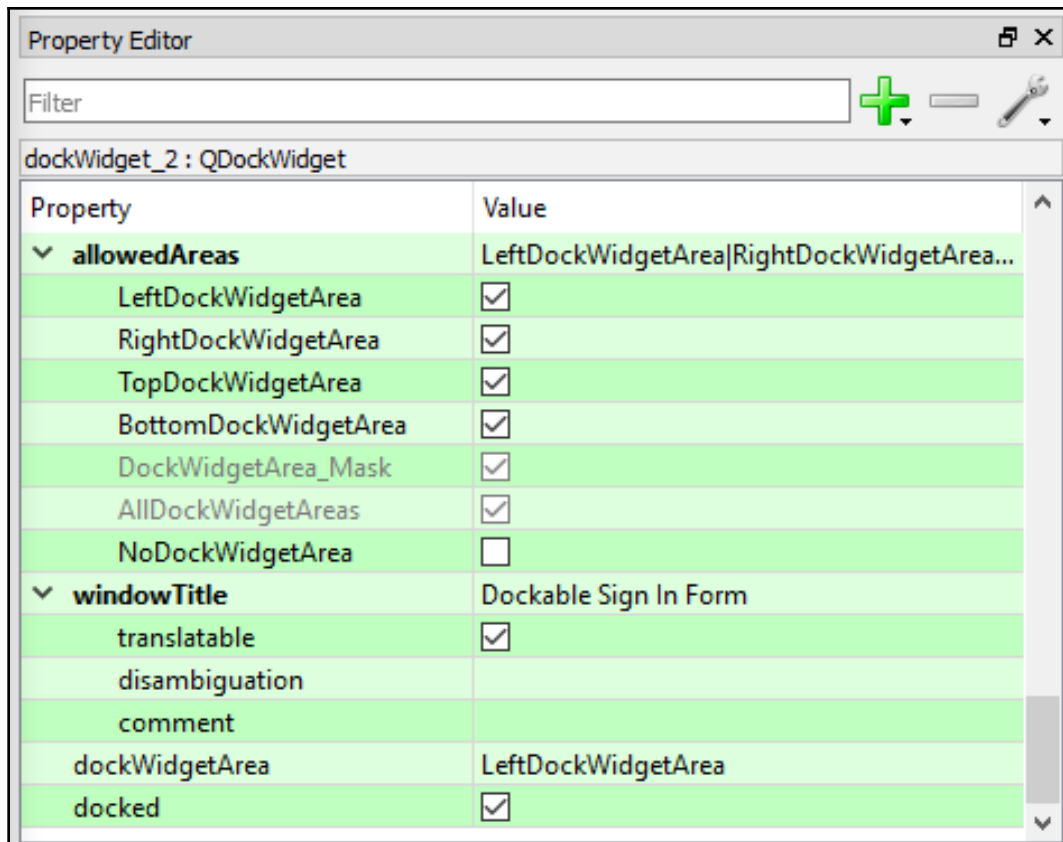


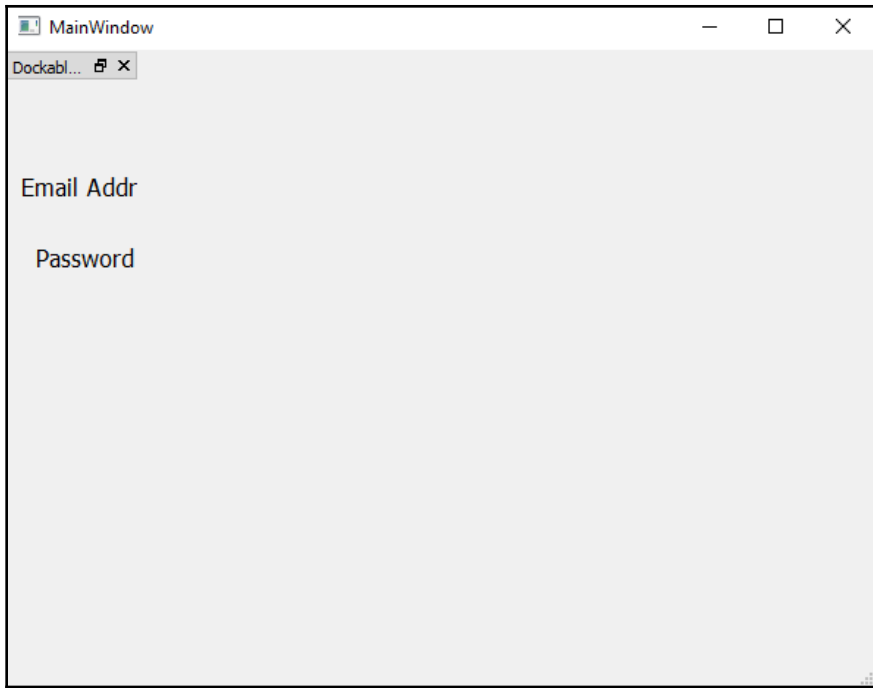


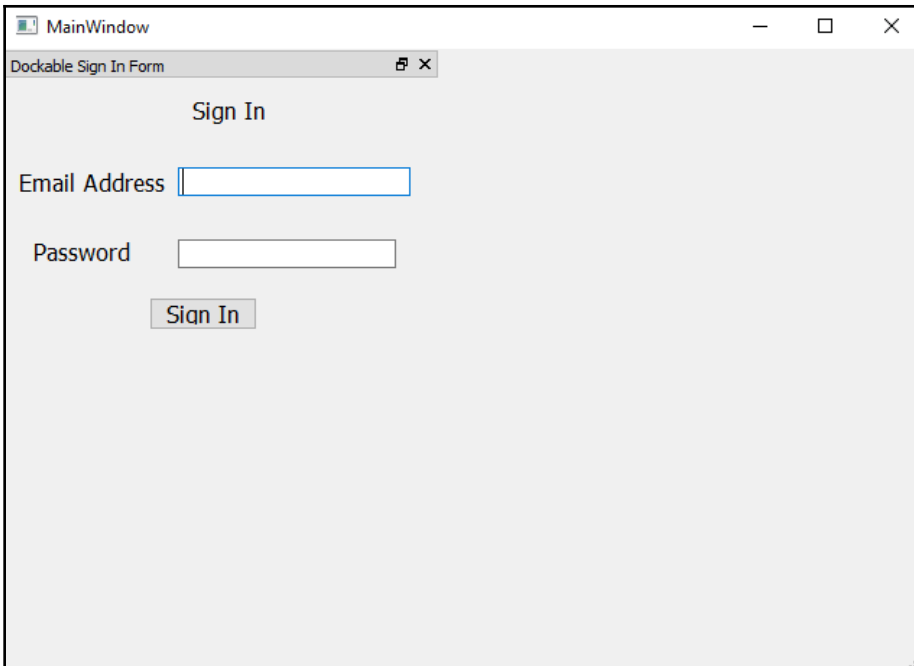


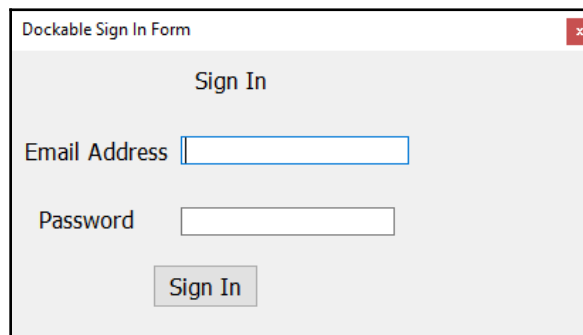
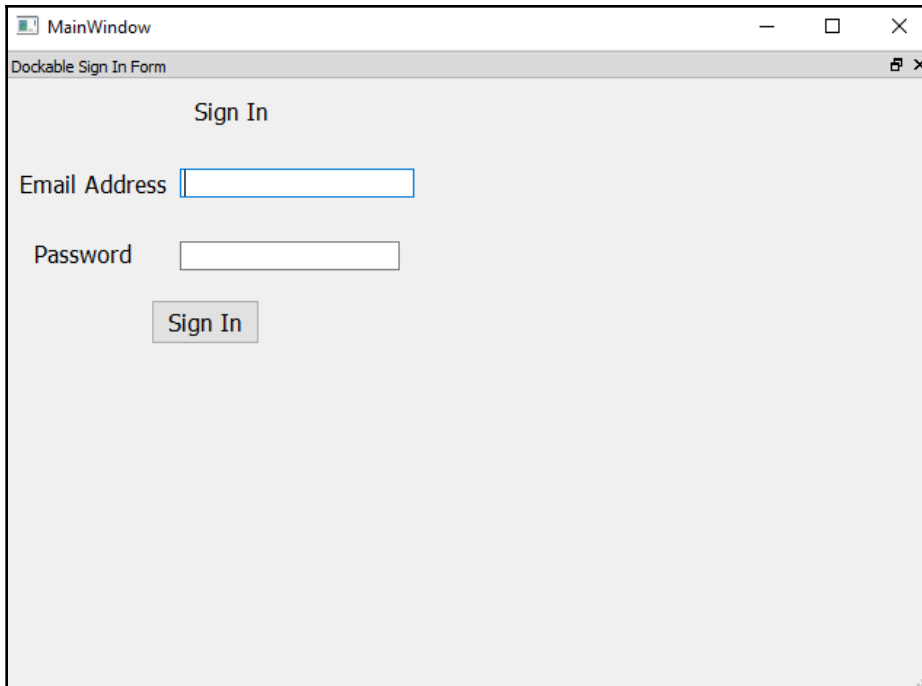


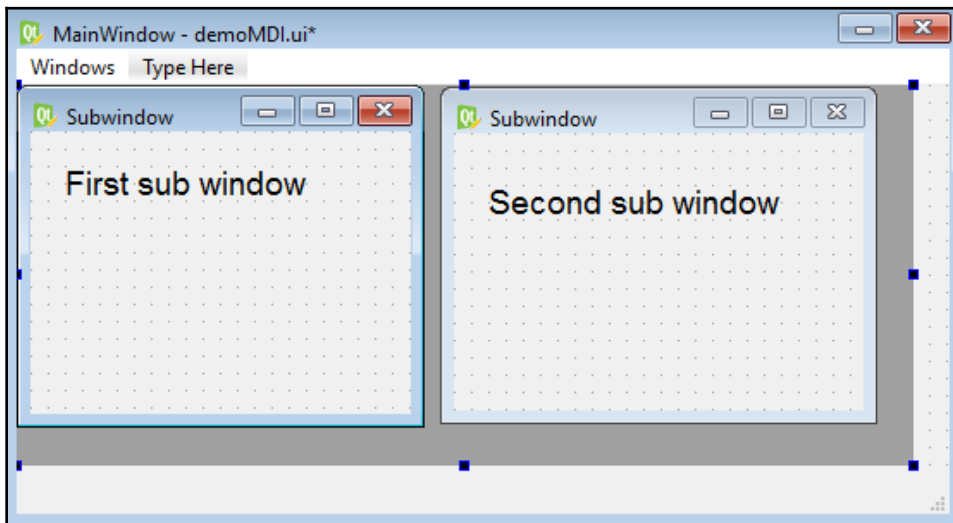
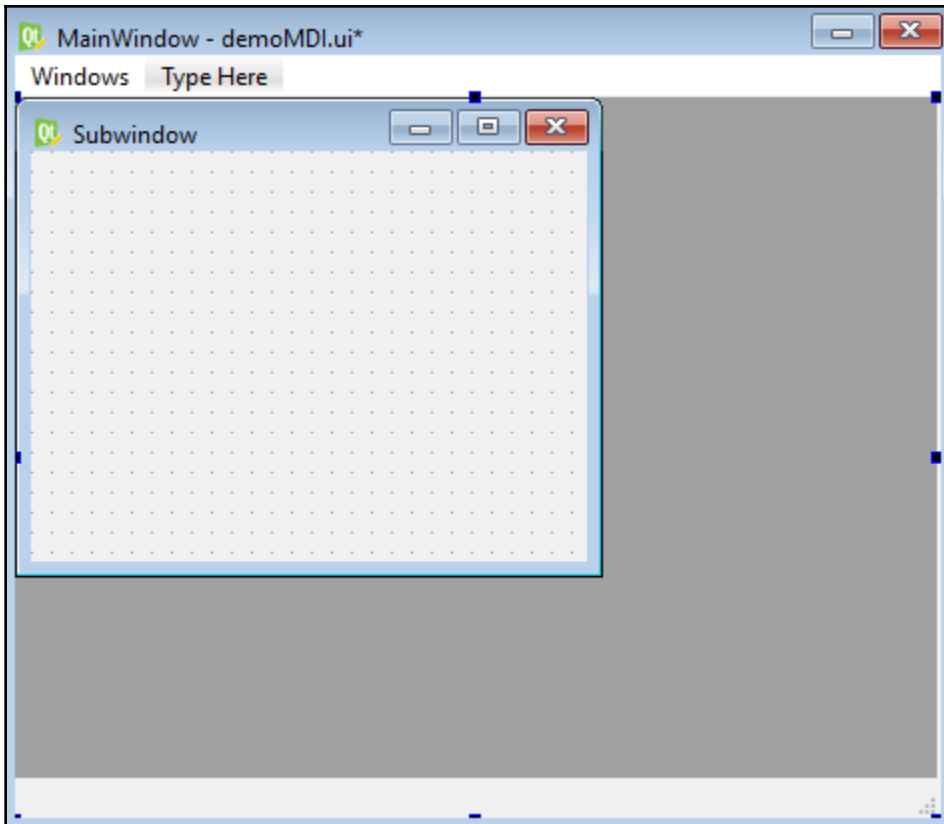


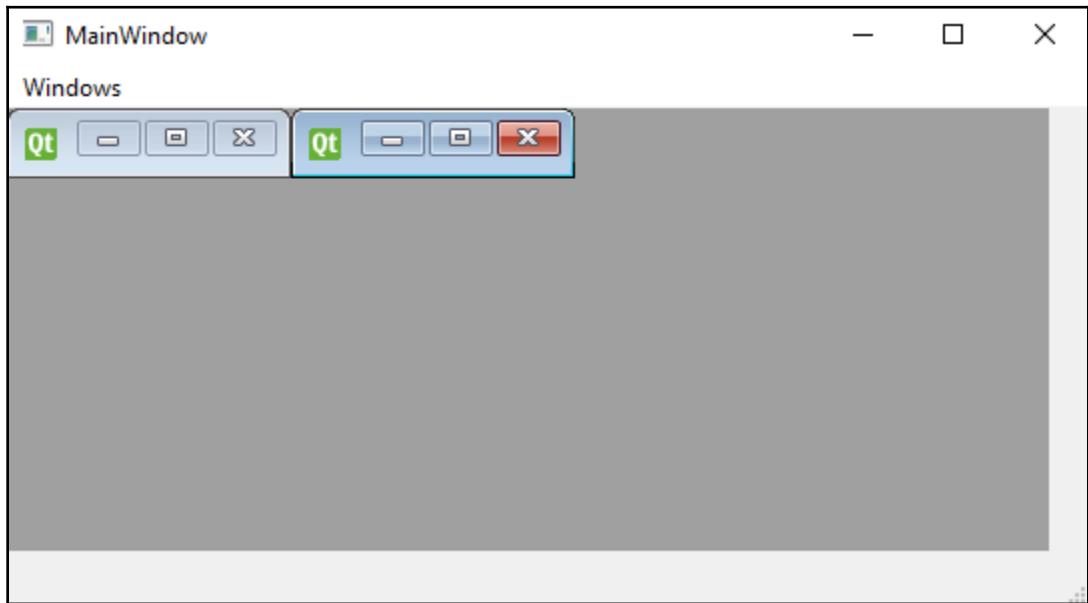
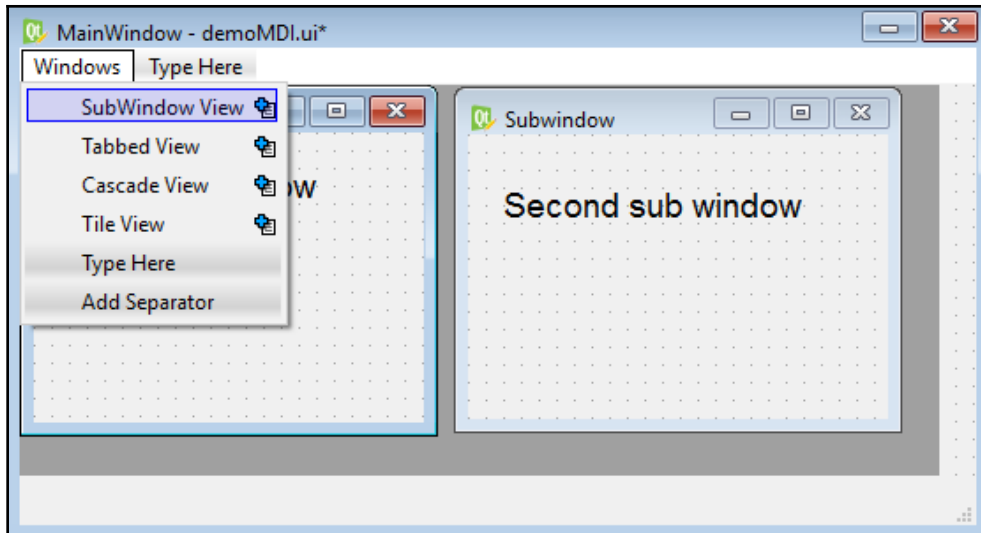


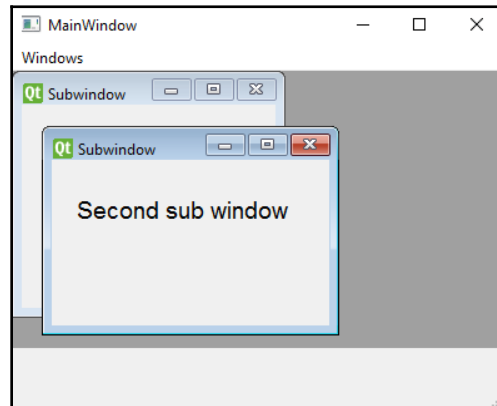
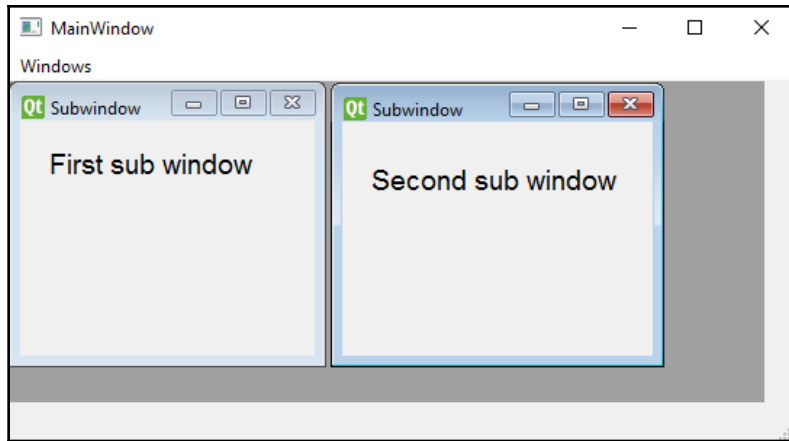


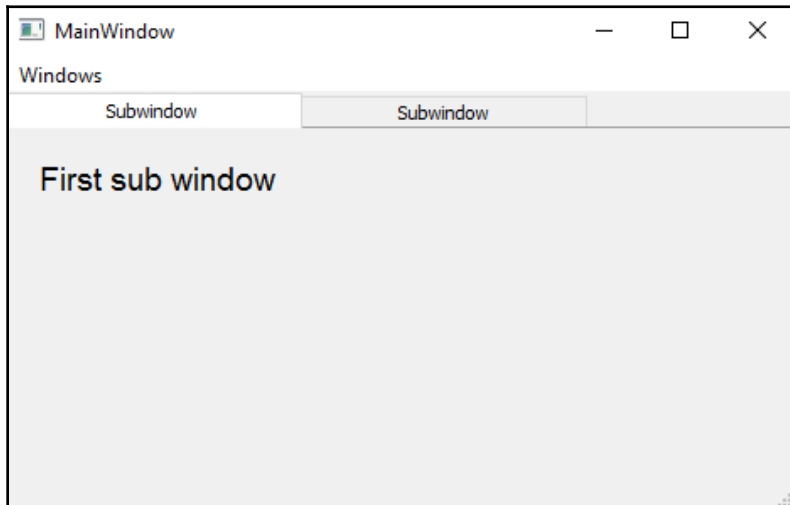
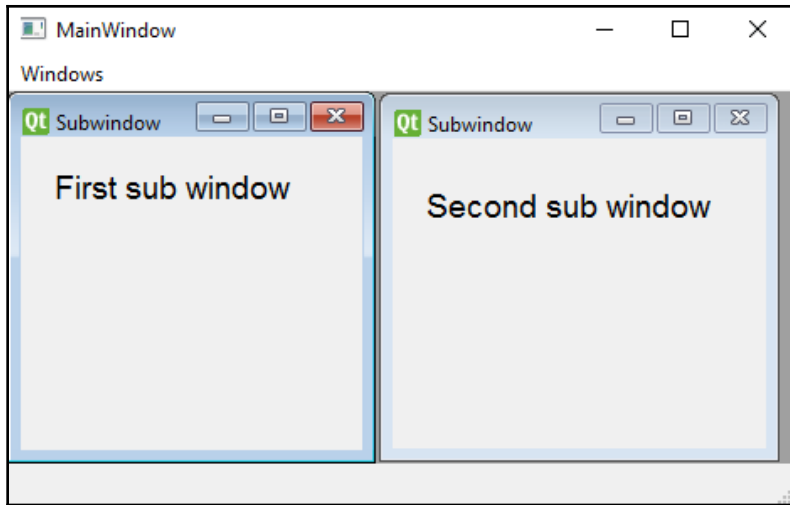


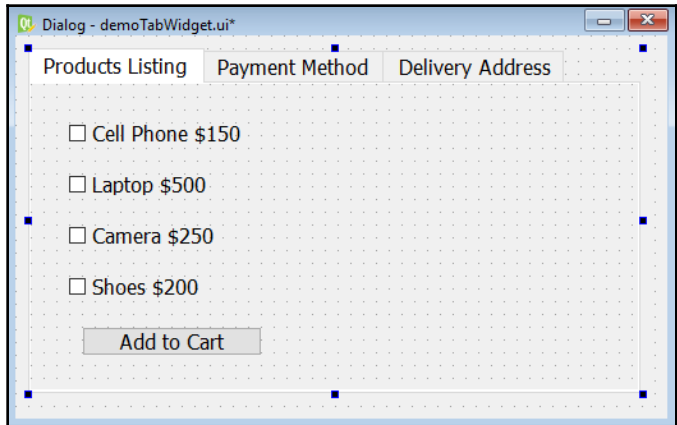
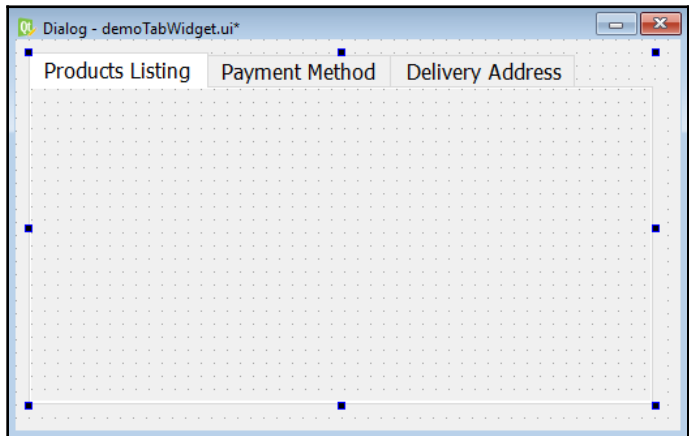
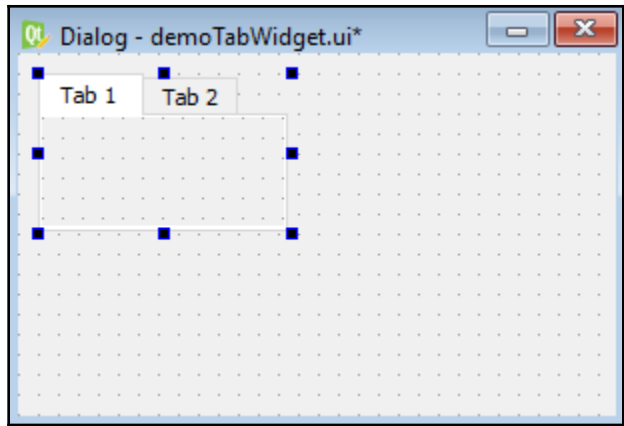


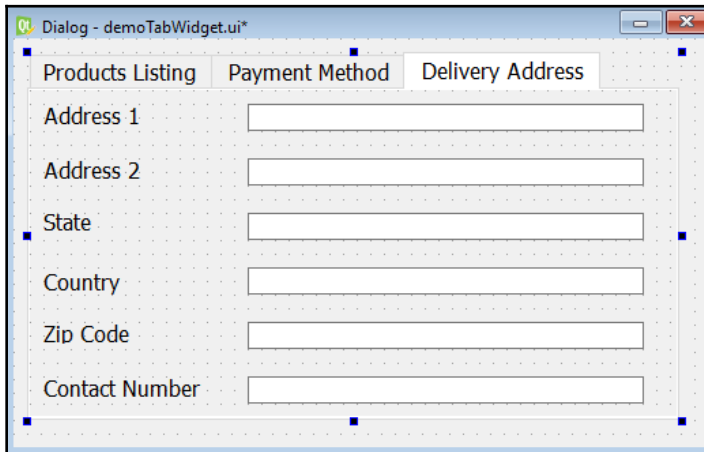
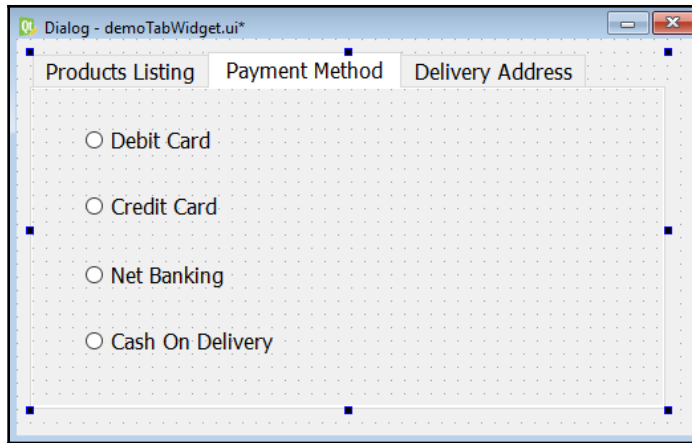


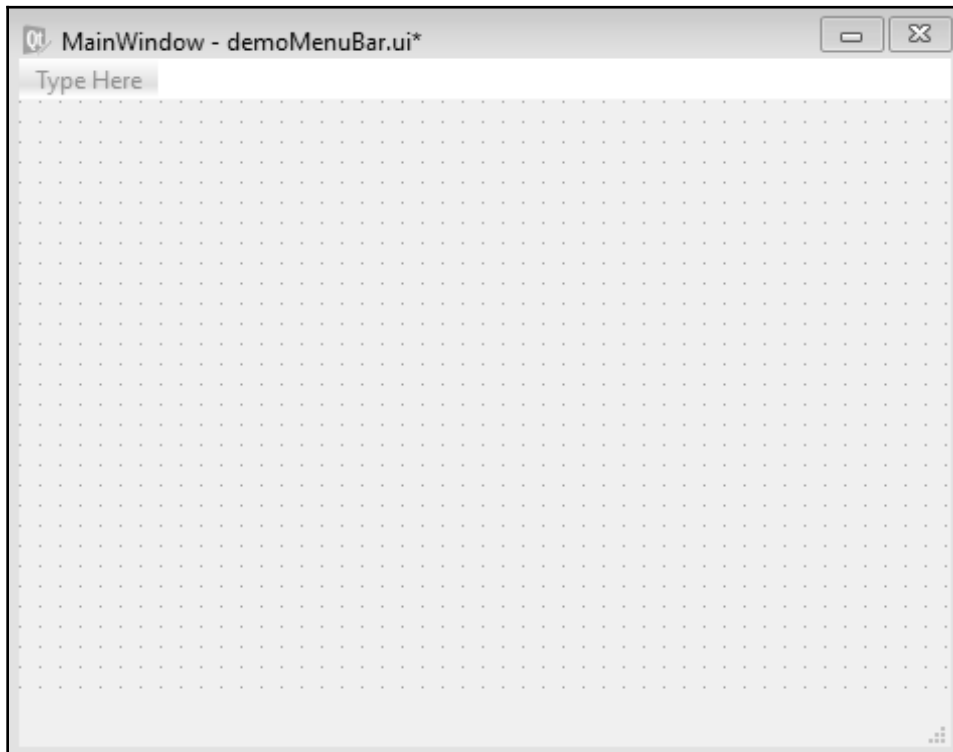
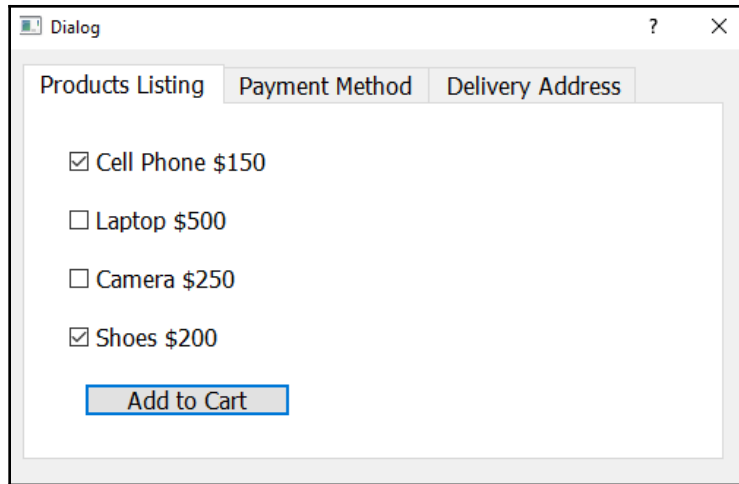


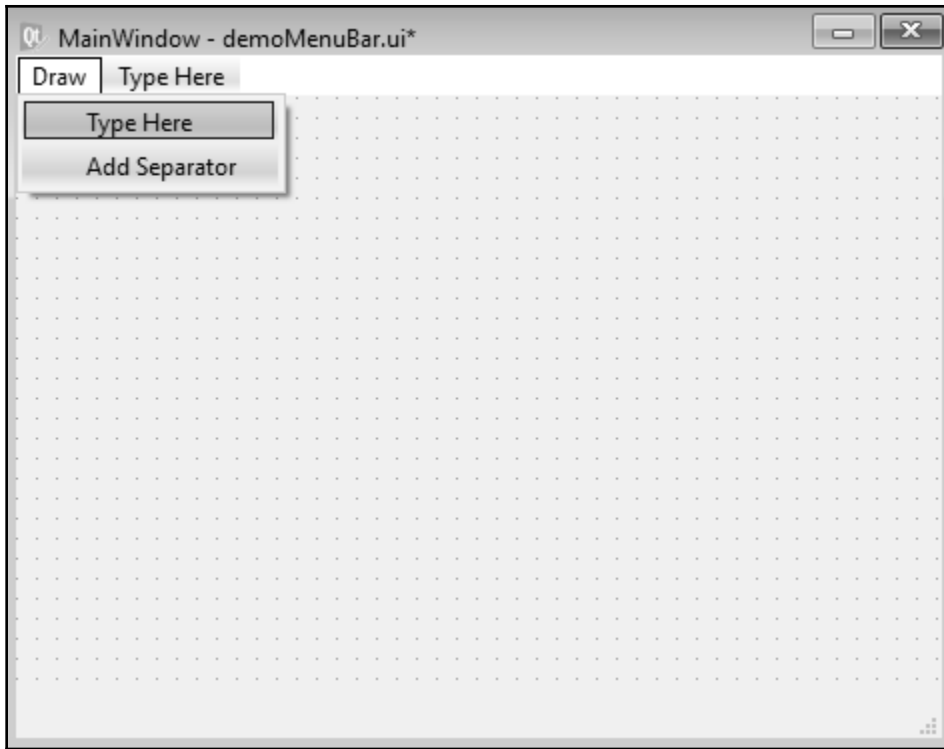


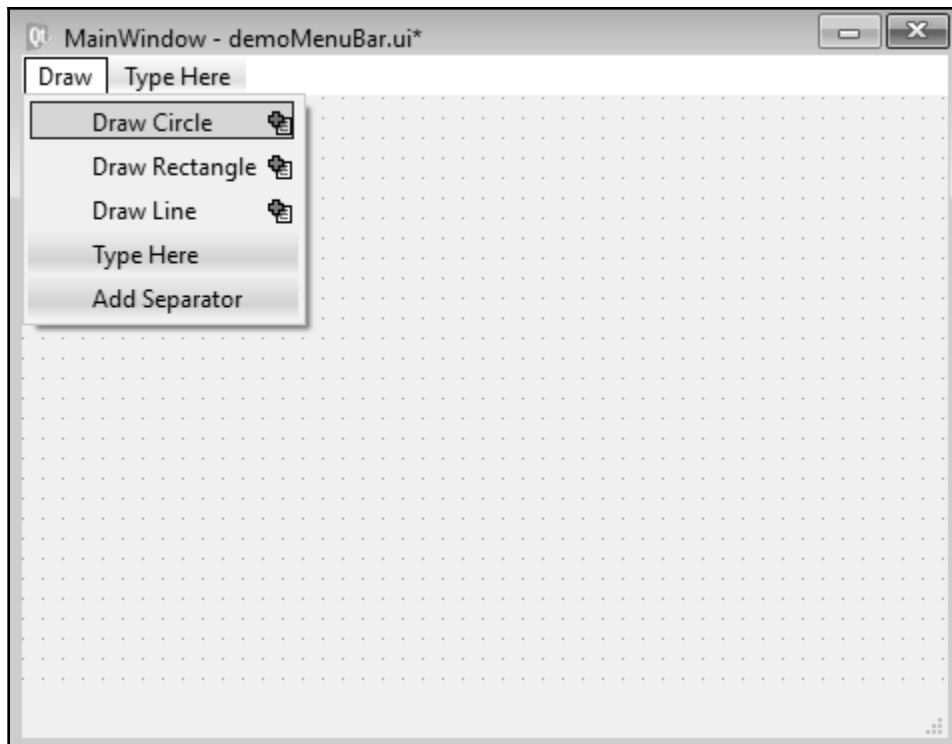


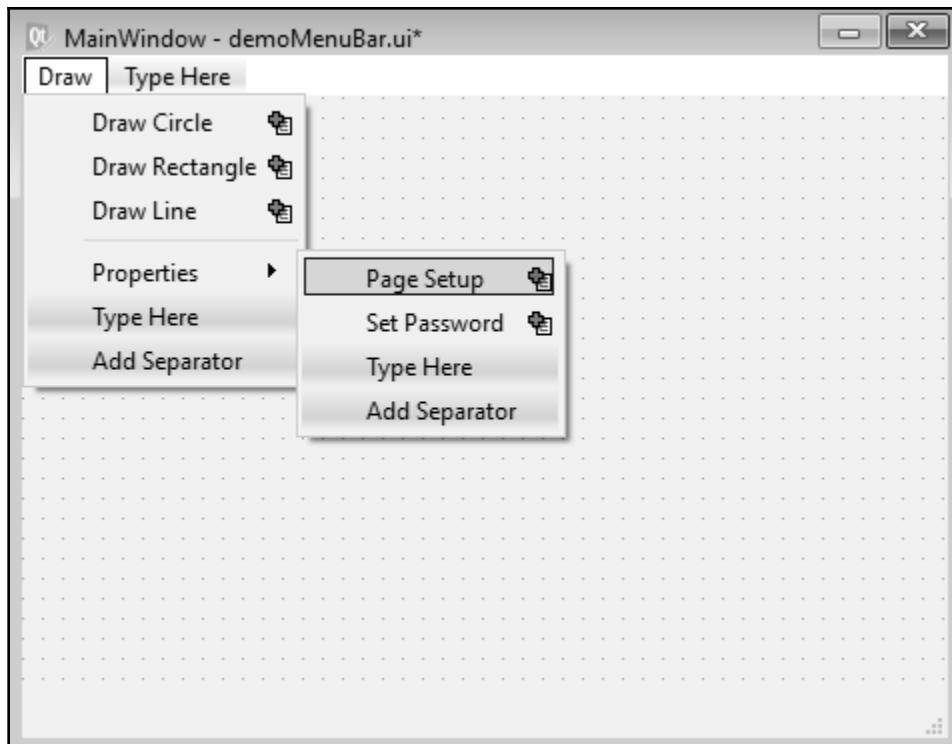


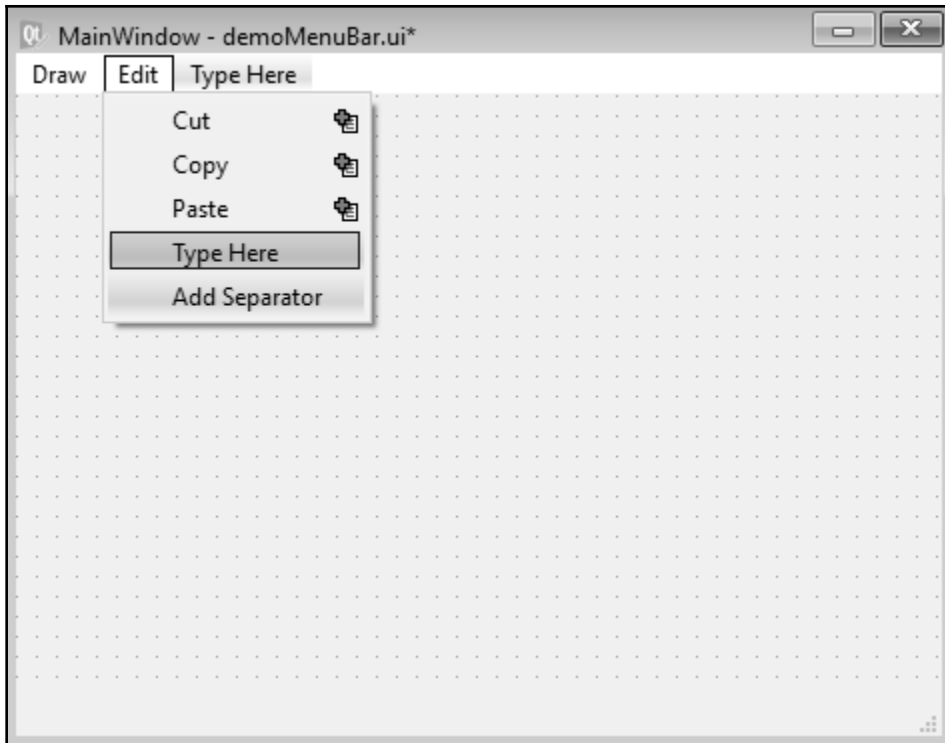








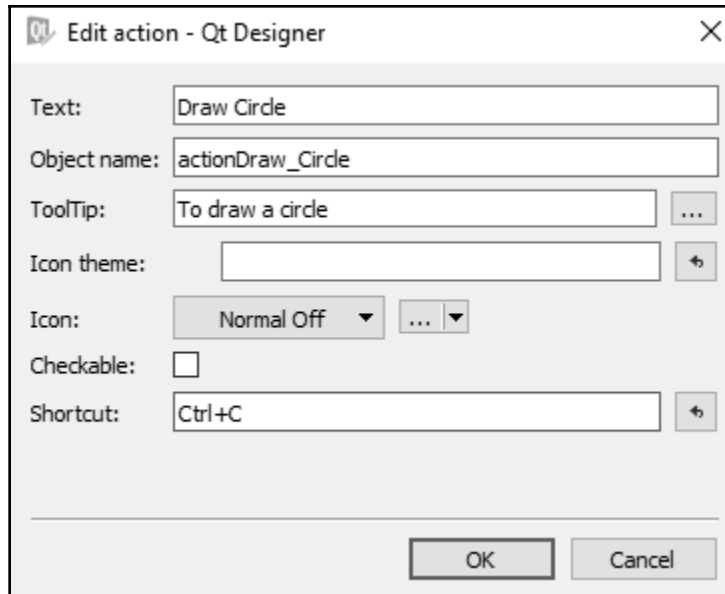




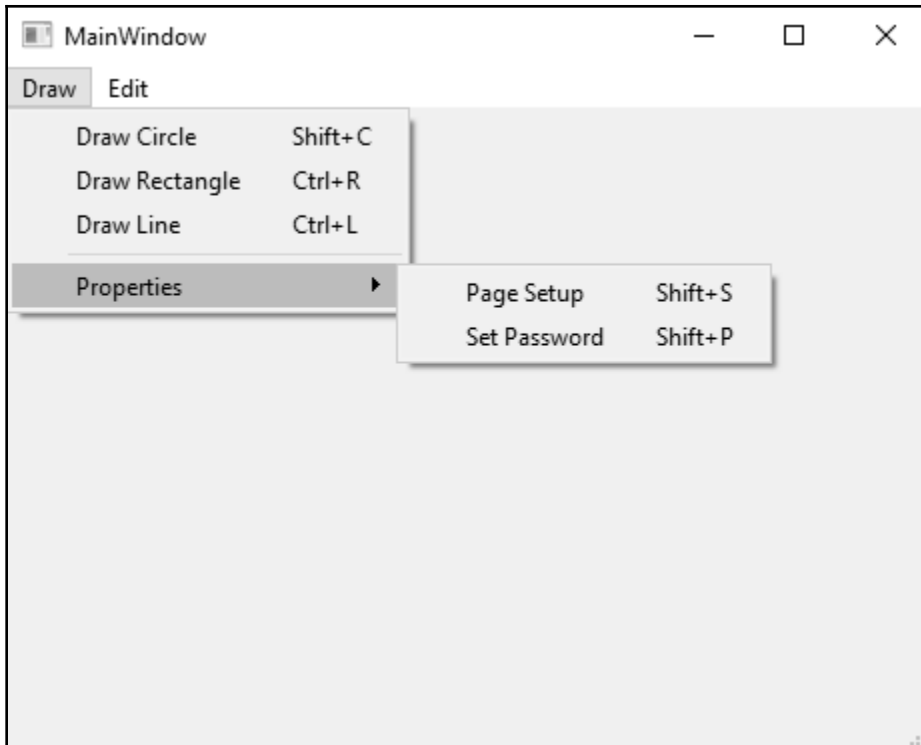
Action Editor

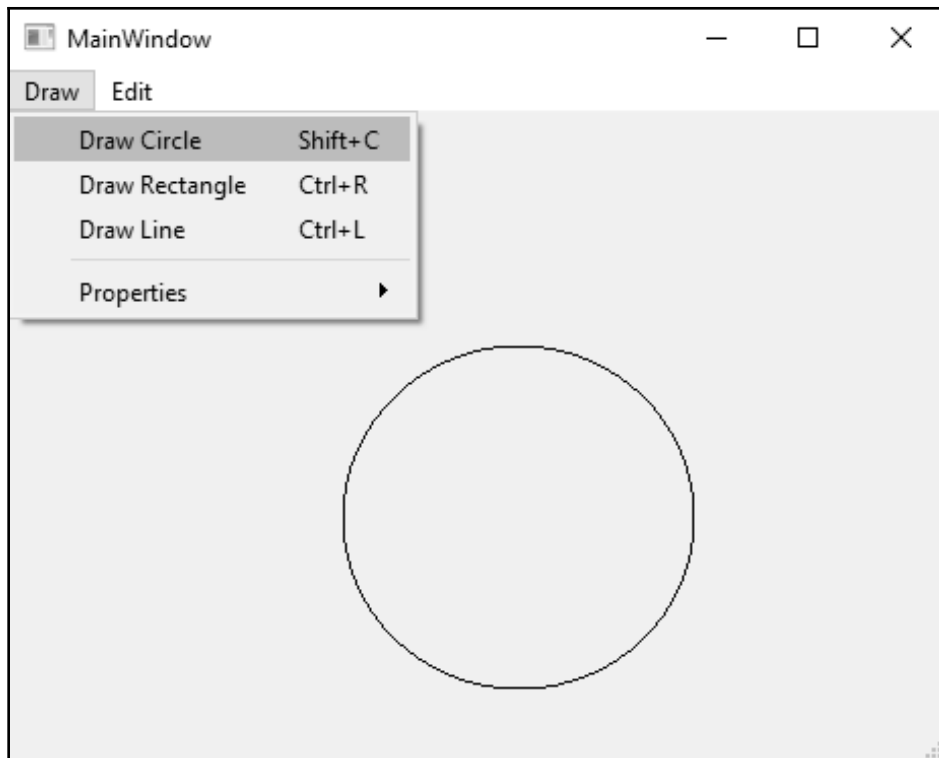
Filter

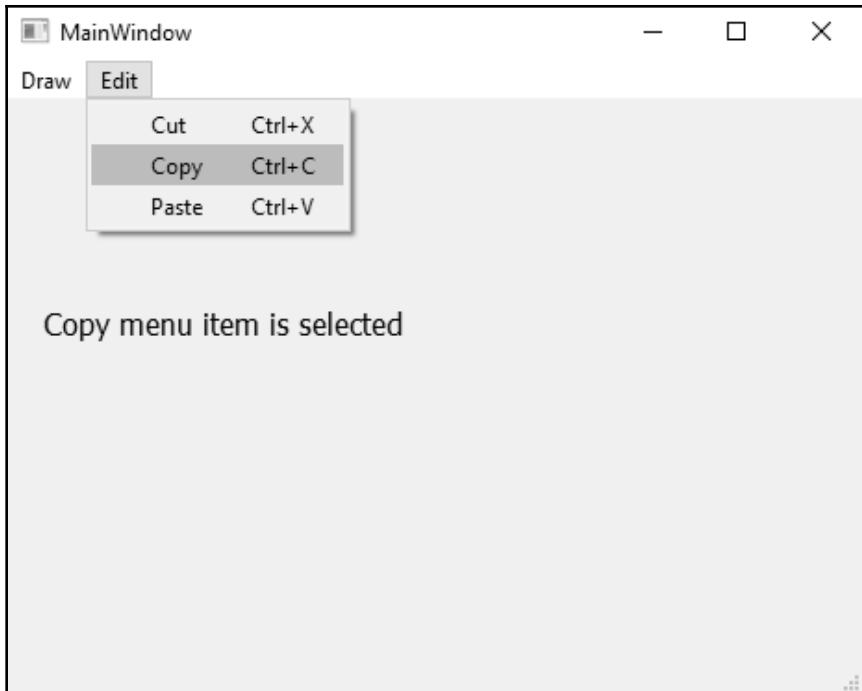
Name	Used	Text	Shortcut	Checkable	ToolTip
<input type="checkbox"/> actionDraw_Circle	<input checked="" type="checkbox"/>	Draw Circle		<input type="checkbox"/>	Draw Circle
<input type="checkbox"/> actionDr...ectangle	<input checked="" type="checkbox"/>	Draw Rectangle		<input type="checkbox"/>	Draw Rectangle
<input type="checkbox"/> actionDraw_Line	<input checked="" type="checkbox"/>	Draw Line		<input type="checkbox"/>	Draw Line
<input type="checkbox"/> actionPage_Setup	<input checked="" type="checkbox"/>	Page Setup		<input type="checkbox"/>	Page Setup
<input type="checkbox"/> actionSet_Password	<input checked="" type="checkbox"/>	Set Password		<input type="checkbox"/>	Set Password
<input type="checkbox"/> actionCut	<input checked="" type="checkbox"/>	Cut		<input type="checkbox"/>	Cut
<input type="checkbox"/> actionCopy	<input checked="" type="checkbox"/>	Copy		<input type="checkbox"/>	Copy
<input checked="" type="checkbox"/> actionPaste	<input checked="" type="checkbox"/>	Paste		<input type="checkbox"/>	Paste



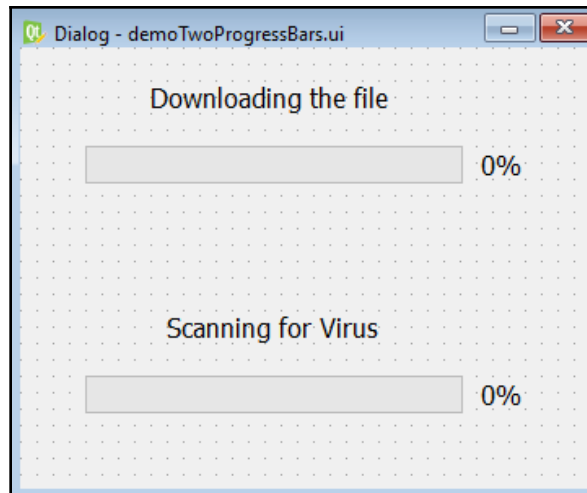
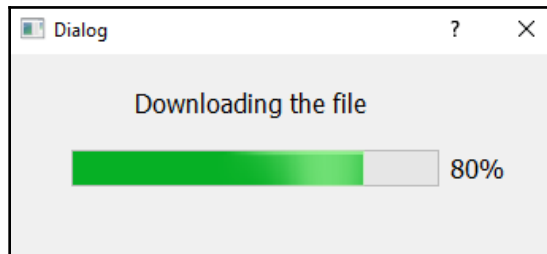
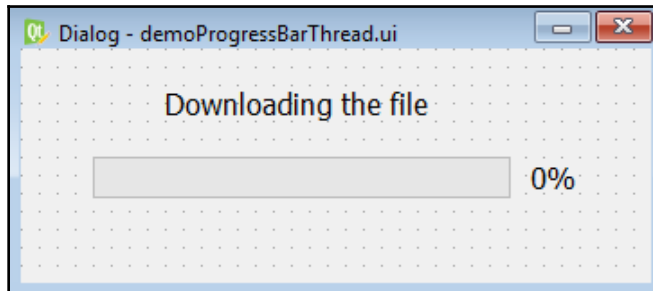
Name	Used	Text	Shortcut	Checkable	ToolTip
<input type="checkbox"/> actionDraw_Circle	<input checked="" type="checkbox"/>	Draw Circle	Ctrl+C	<input type="checkbox"/>	To draw a circle
<input type="checkbox"/> actionDr...ectangle	<input checked="" type="checkbox"/>	Draw Rectangle		<input type="checkbox"/>	Draw Rectangle
<input type="checkbox"/> actionDraw_Line	<input checked="" type="checkbox"/>	Draw Line		<input type="checkbox"/>	Draw Line
<input type="checkbox"/> actionPage_Setup	<input checked="" type="checkbox"/>	Page Setup		<input type="checkbox"/>	Page Setup
<input checked="" type="checkbox"/> actionSet_Password	<input checked="" type="checkbox"/>	Set Password	Shift+P	<input checked="" type="checkbox"/>	Set Password
<input type="checkbox"/> actionCut	<input checked="" type="checkbox"/>	Cut		<input type="checkbox"/>	Cut
<input type="checkbox"/> actionCopy	<input checked="" type="checkbox"/>	Copy		<input type="checkbox"/>	Copy
<input type="checkbox"/> actionPaste	<input checked="" type="checkbox"/>	Paste		<input type="checkbox"/>	Paste

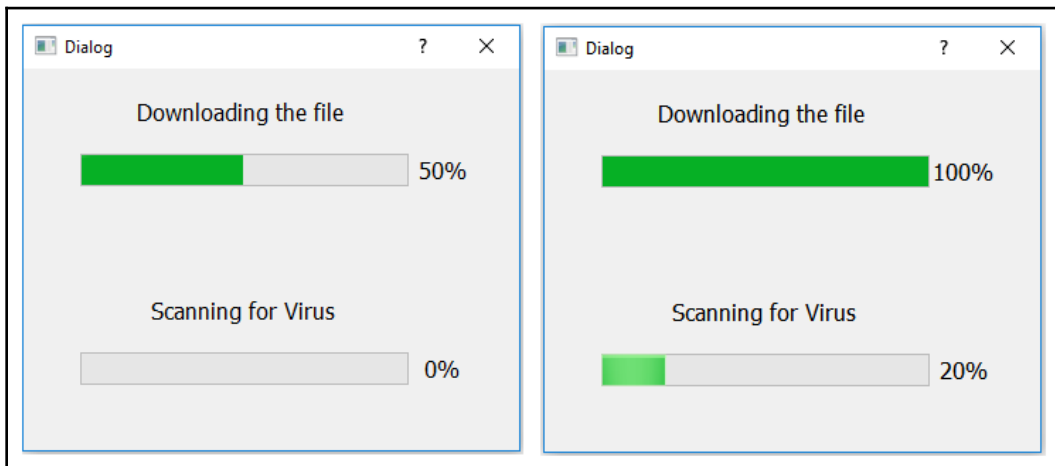
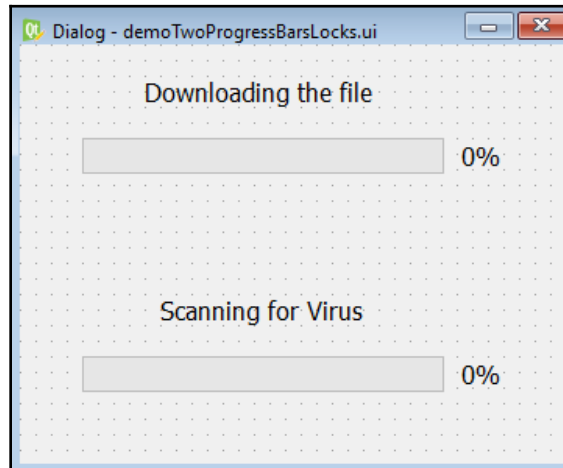
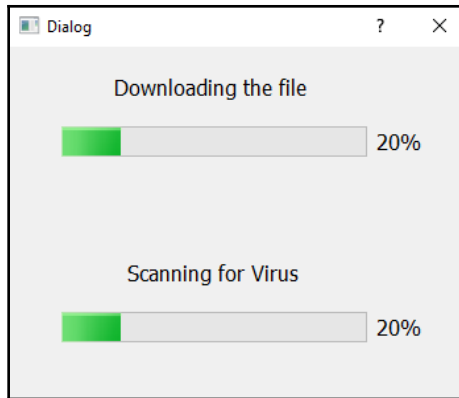


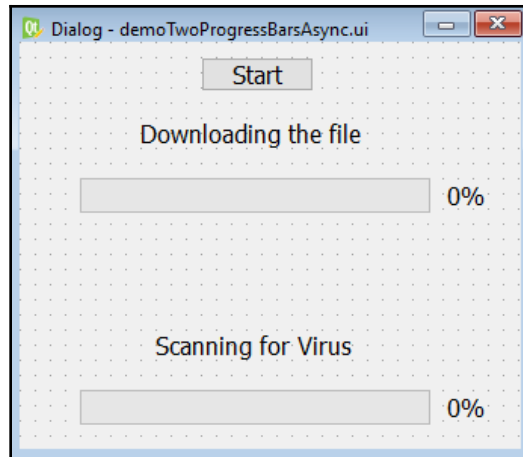




Chapter 8: Doing Asynchronous Programming in Python



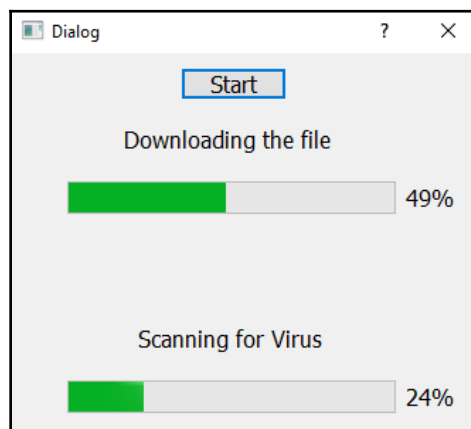


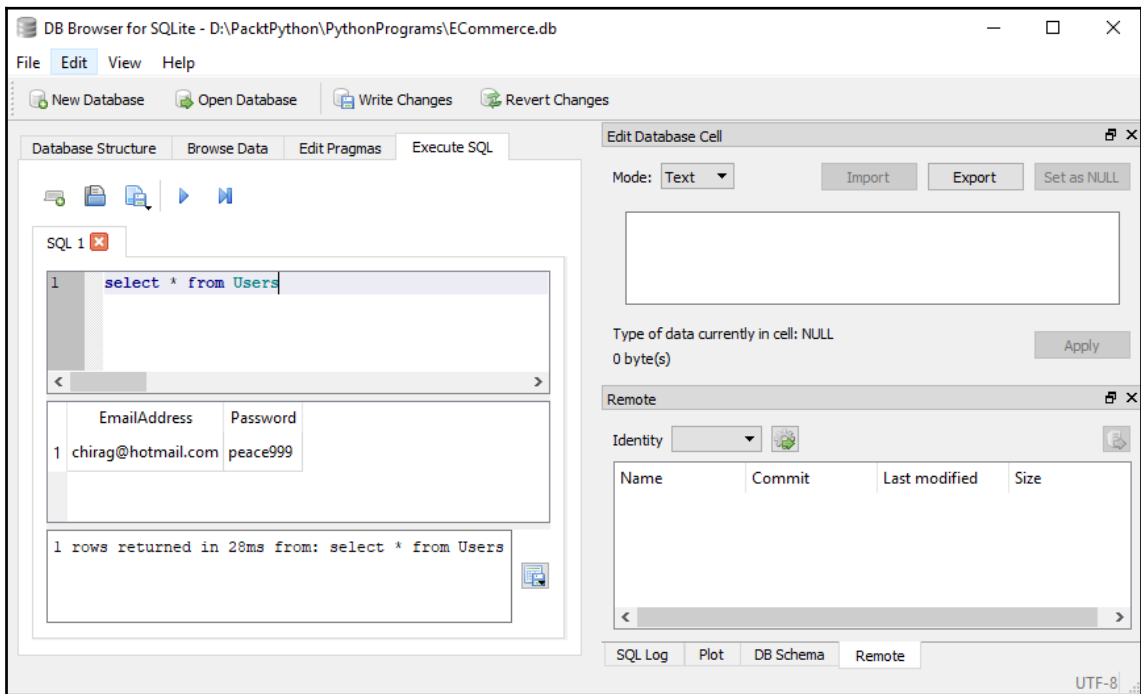
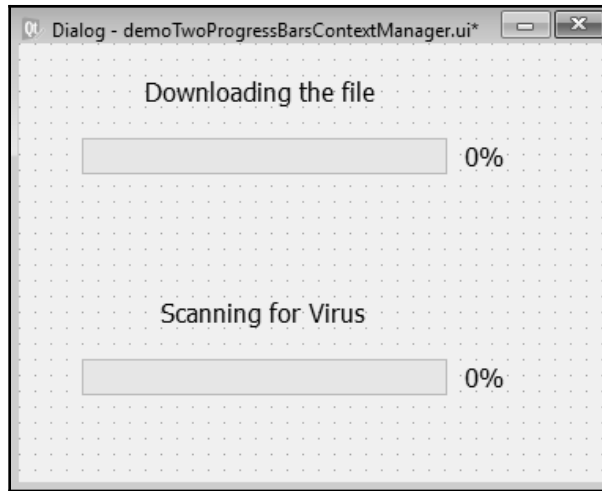


```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.16299.371]
(c) 2017 Microsoft Corporation. All rights reserved.

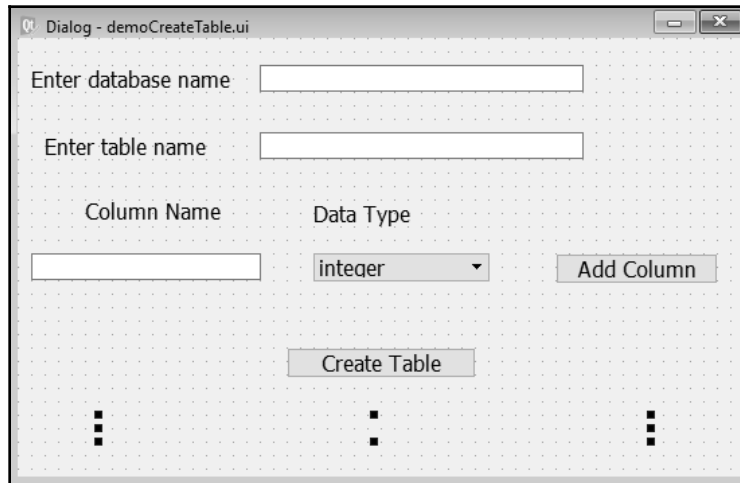
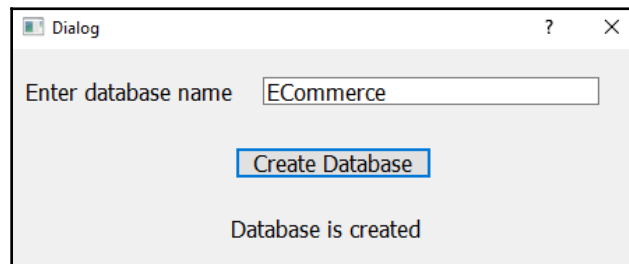
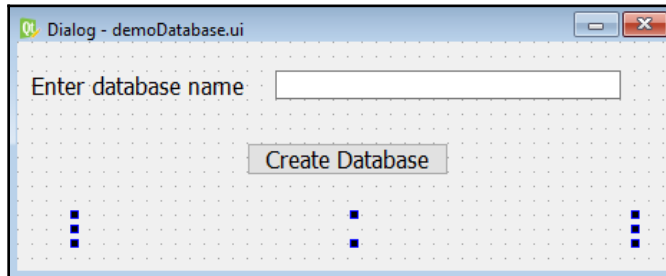
C:\Users\Administrator.bintu1>python -m pip install quamash
Collecting quamash
  Downloading Quamash-0.6.0-py3-none-any.whl
Installing collected packages: quamash
Successfully installed quamash-0.6.0
You are using pip version 9.0.1, however version 10.0.0 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\Administrator.bintu1>
```





Chapter 9: Database Handling



Dialog

Enter database name

Enter table name

Column Name	Data Type
<input type="text" value="EmailAddress"/>	text

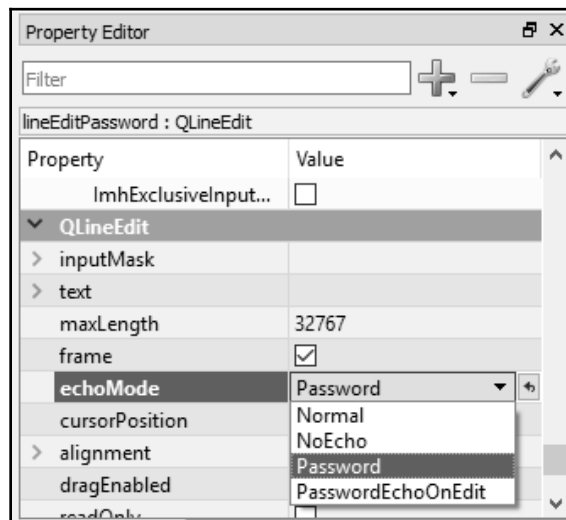
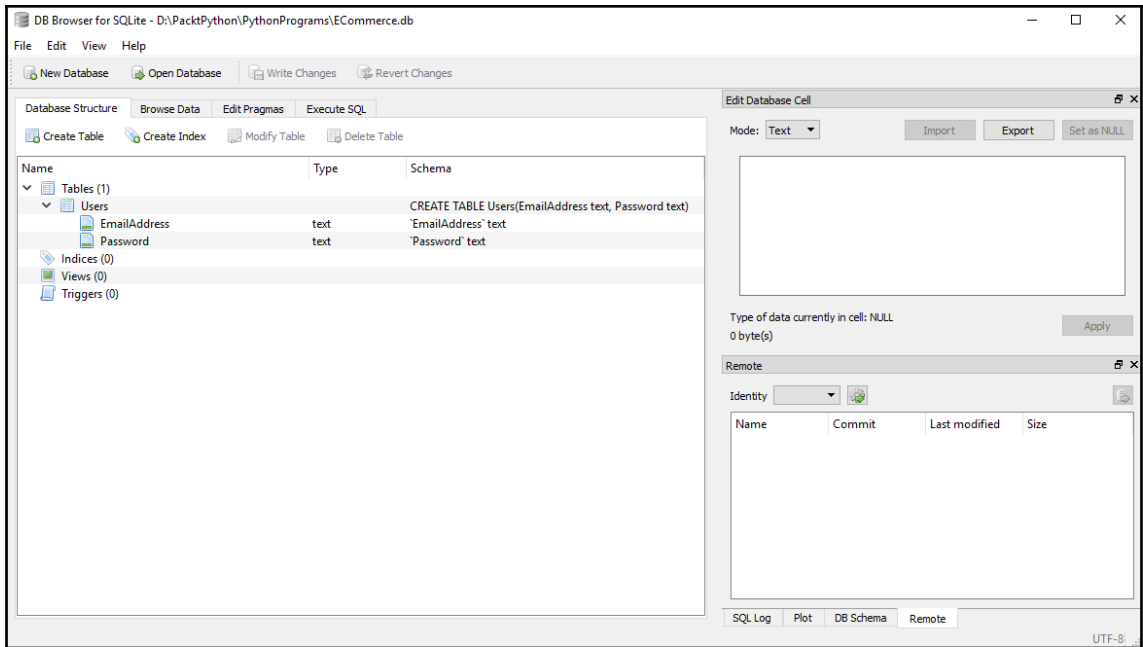
Dialog

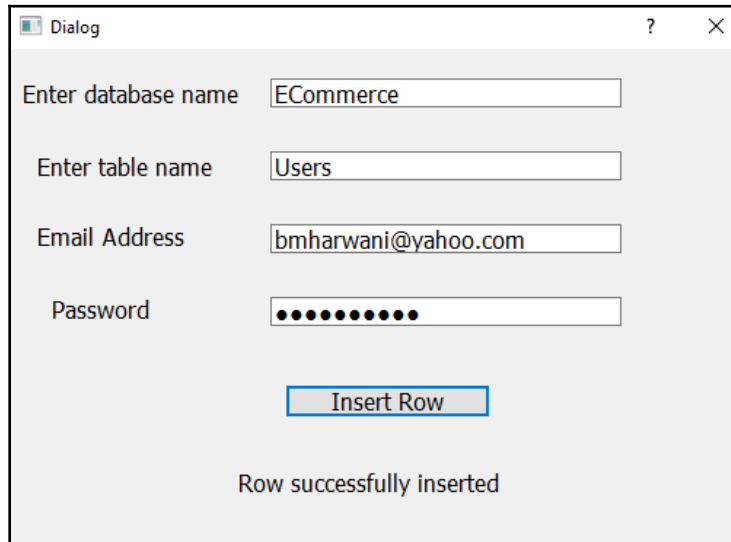
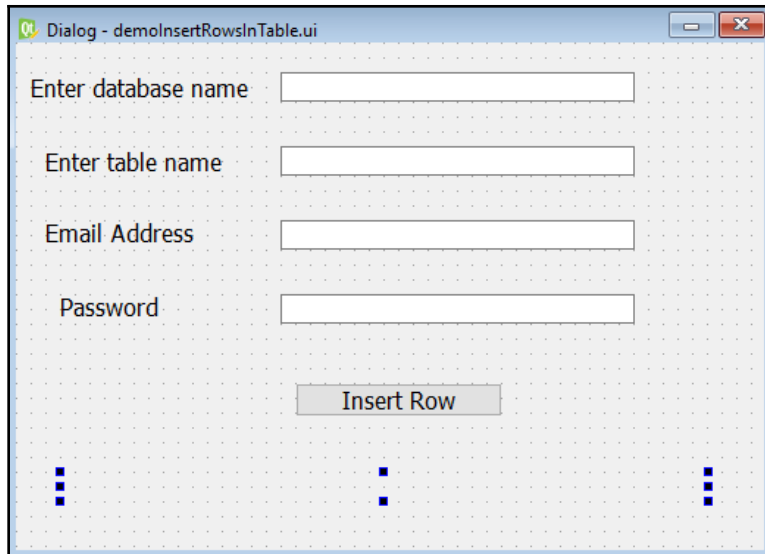
Enter database name

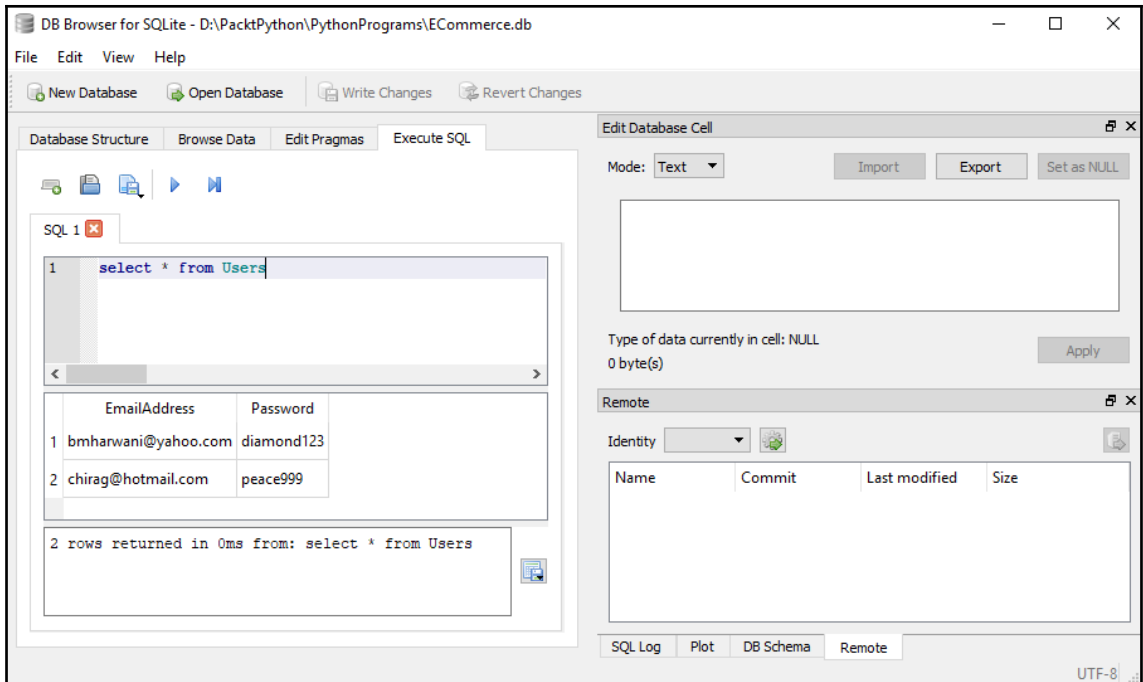
Enter table name

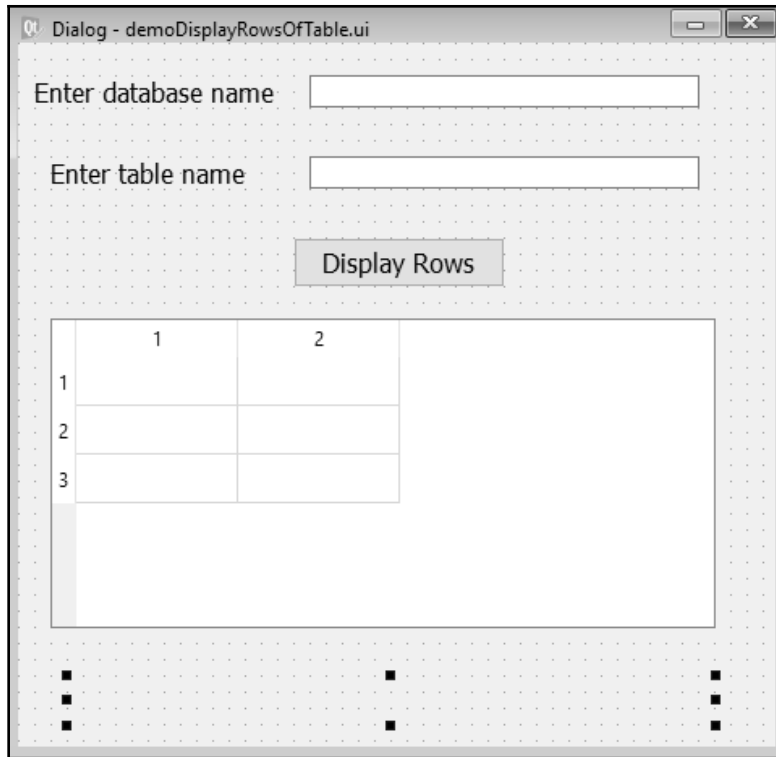
Column Name	Data Type
<input type="text" value="Password"/>	text

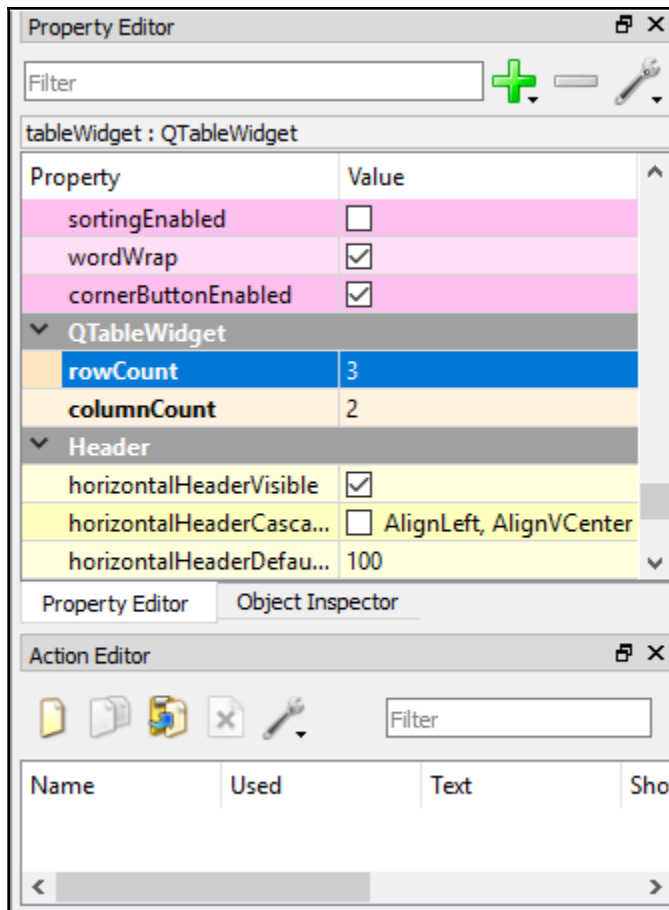
Table is successfully created

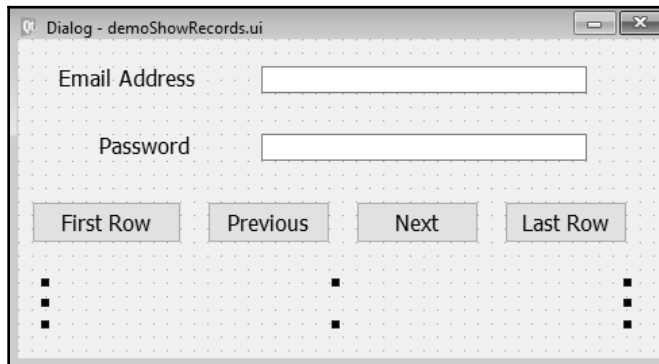
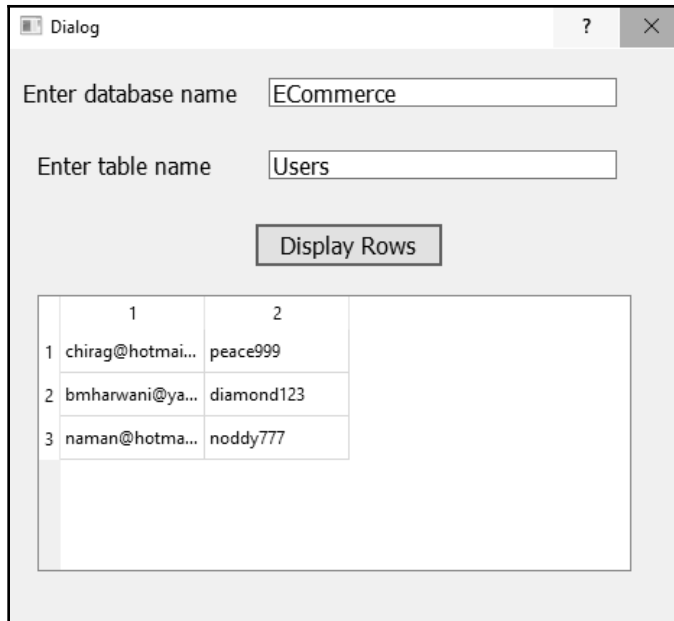












Dialog

Email Address

Password

First Row Previous **Next** Last Row

This is the first row

Dialog

Email Address

Password

First Row Previous **Next** Last Row

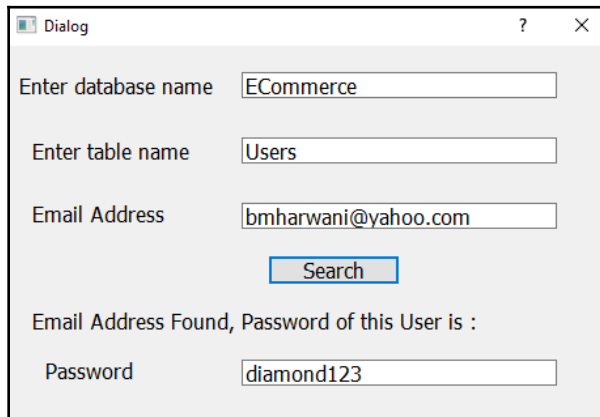
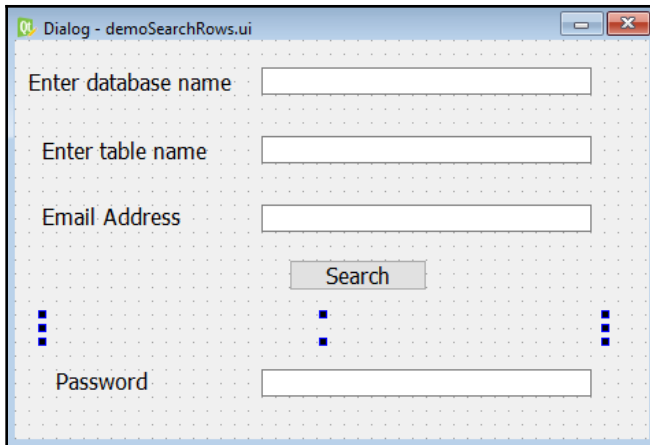
Dialog

Email Address

Password

First Row Previous **Next** Last Row

This is the last row



Dialog

Enter database name

Enter table name

Email Address

Sorry, No User found with this email address

Password

Dialog - demoSignInForm.ui

Email Address

Password

Dialog

Email Address

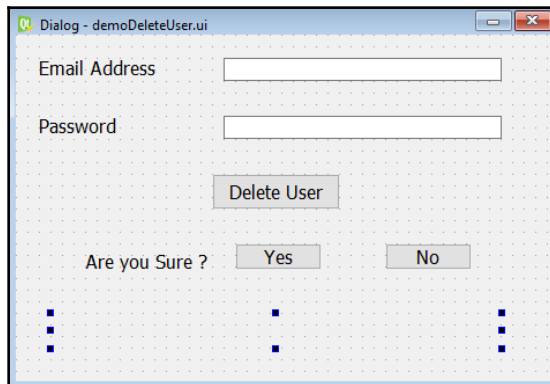
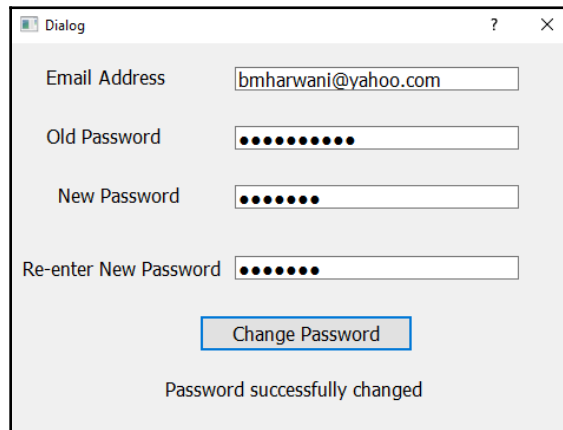
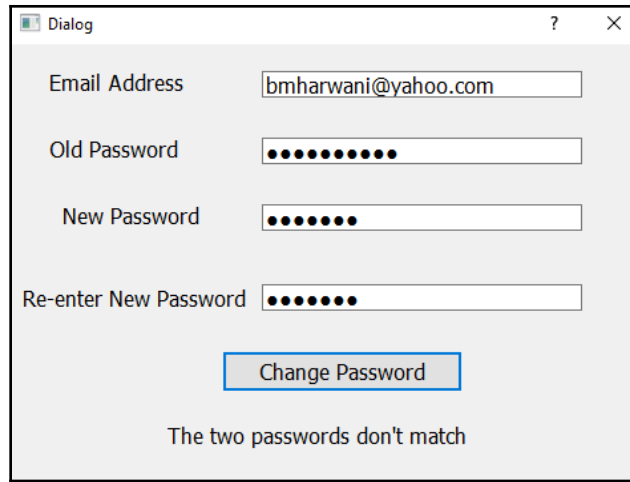
Password

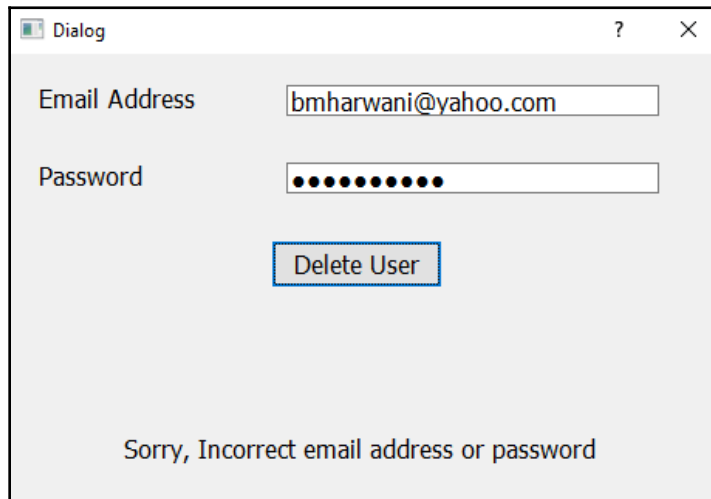
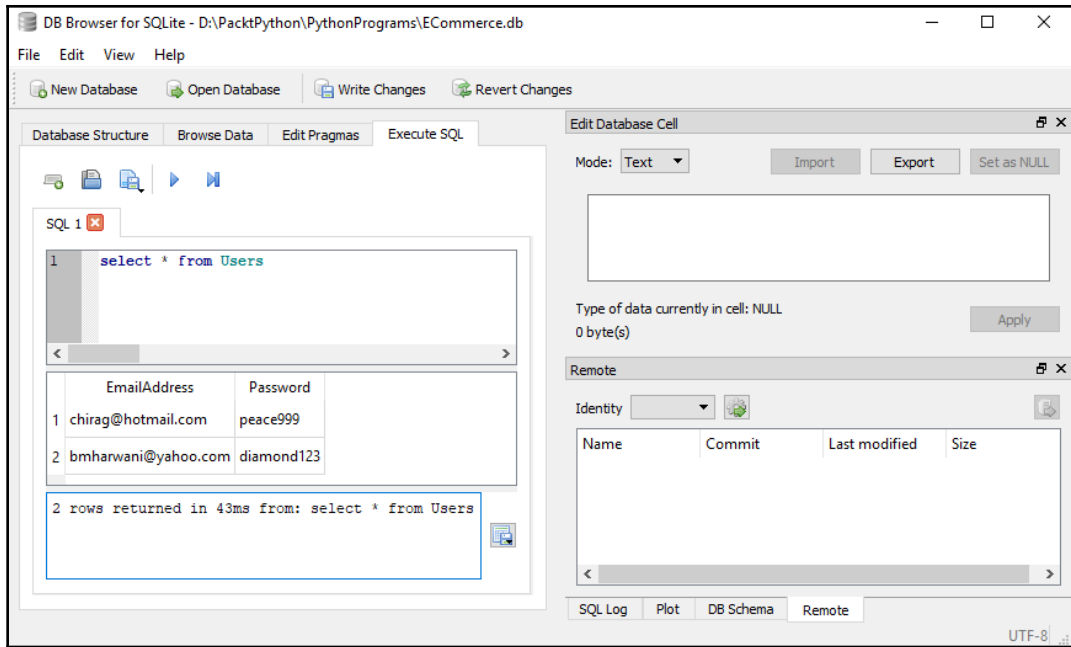
You are welcome

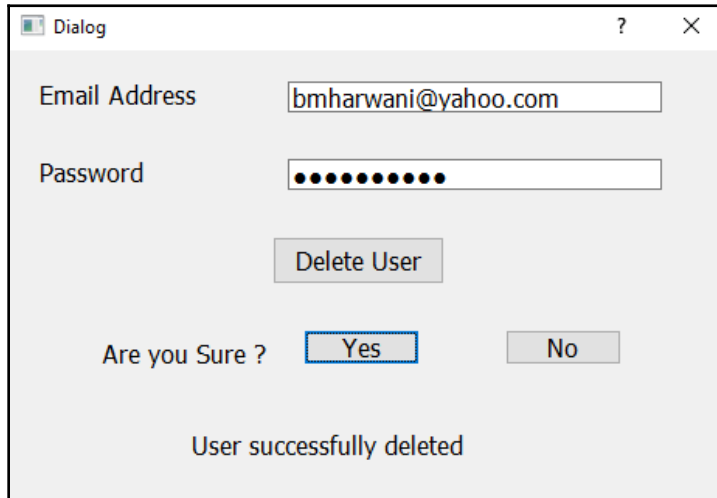
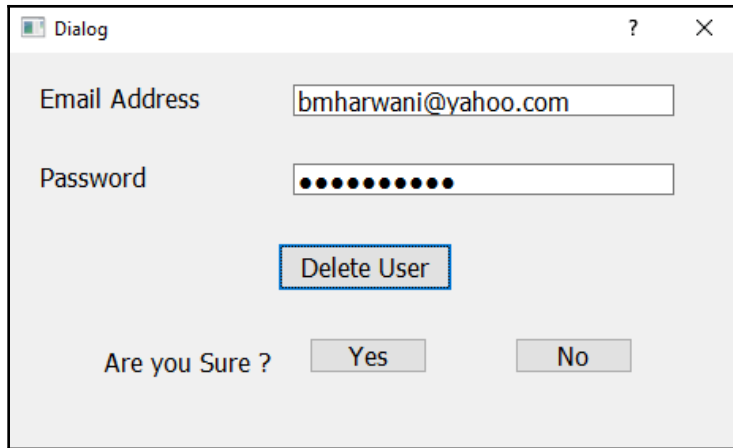
A screenshot of a Windows dialog box titled "Dialog". It contains two text input fields: "Email Address" with the value "bmharwani@yahoo.com" and "Password" with ten black dots. Below the fields is a "Sign In" button. At the bottom of the dialog, the text "Sorry, Incorrect email address or password" is displayed.

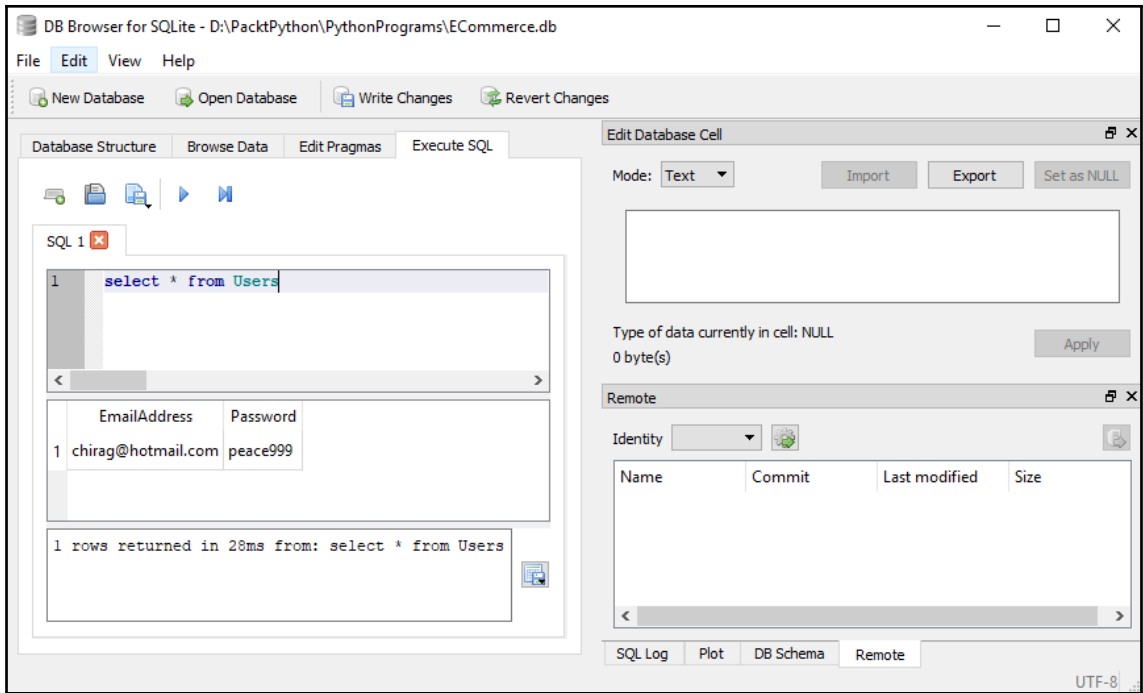
A screenshot of a Windows dialog box titled "Dialog - demoChangePassword.ui". It contains four text input fields: "Email Address", "Old Password", "New Password", and "Re-enter New Password". Below the fields is a "Change Password" button. The dialog has a dotted background and small blue square markers at the bottom corners.

A screenshot of a Windows dialog box titled "Dialog". It contains four text input fields: "Email Address" with the value "bmharwani@yahoo.com", "Old Password" with ten black dots, "New Password" with seven black dots, and "Re-enter New Password" with seven black dots. Below the fields is a "Change Password" button. At the bottom of the dialog, the text "Sorry, Incorrect email address or password" is displayed.

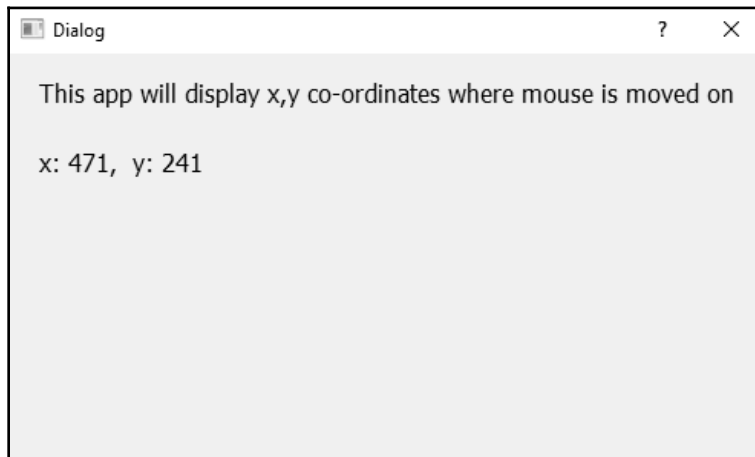
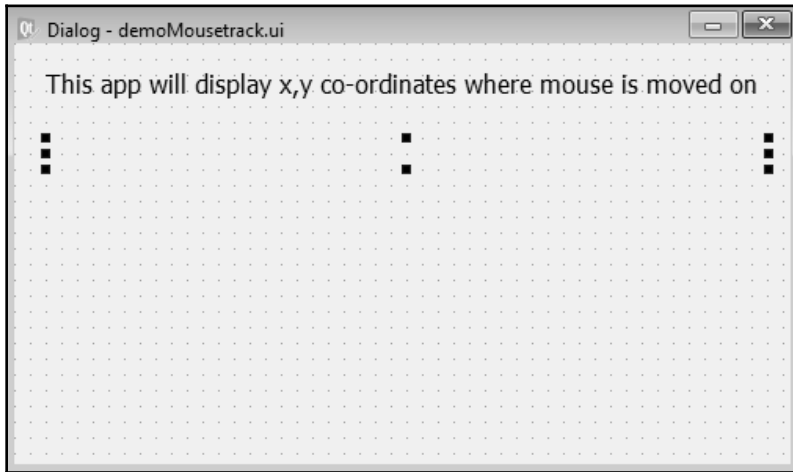


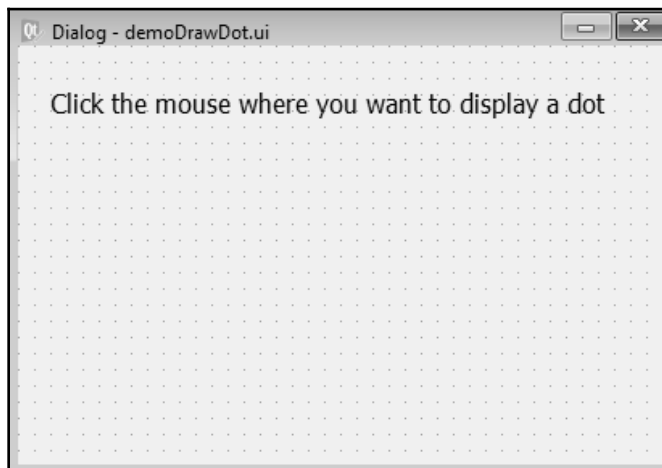
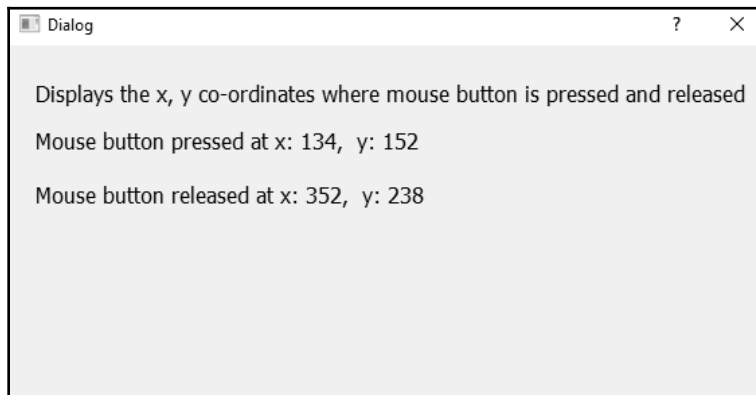
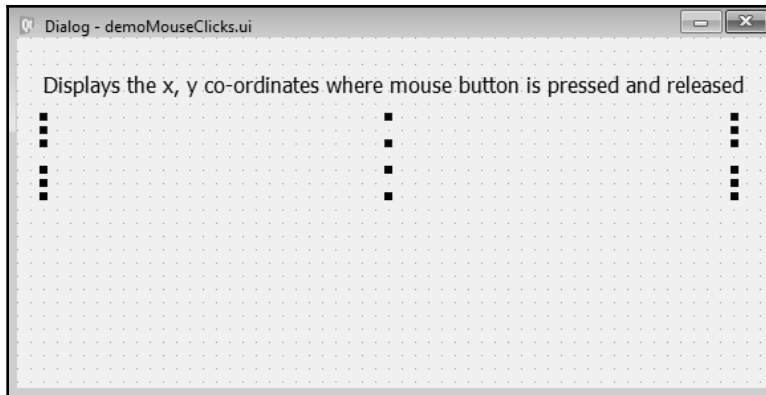


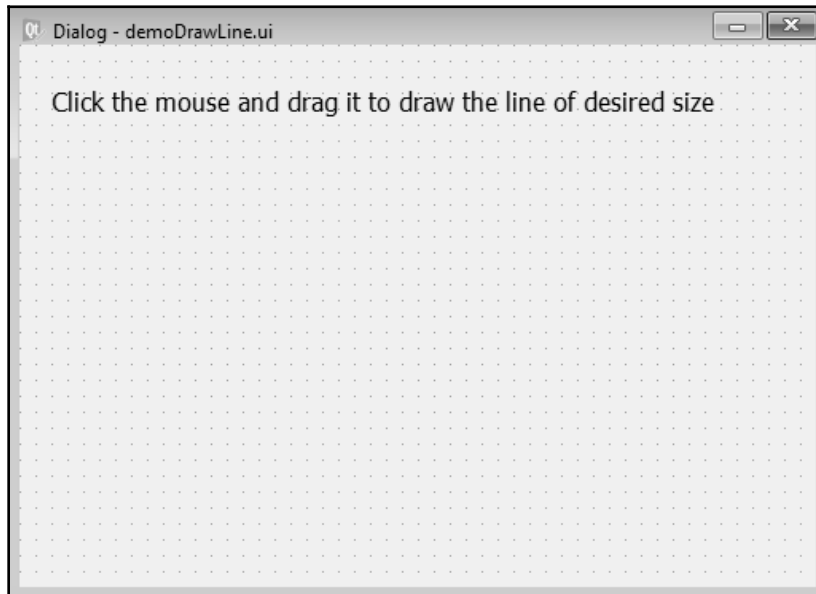
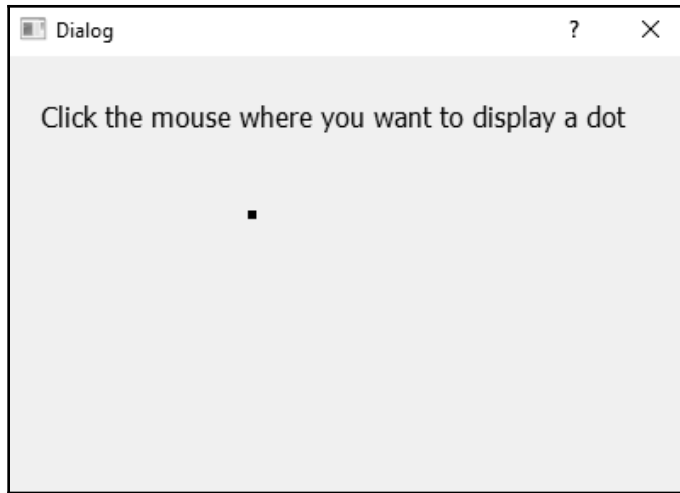


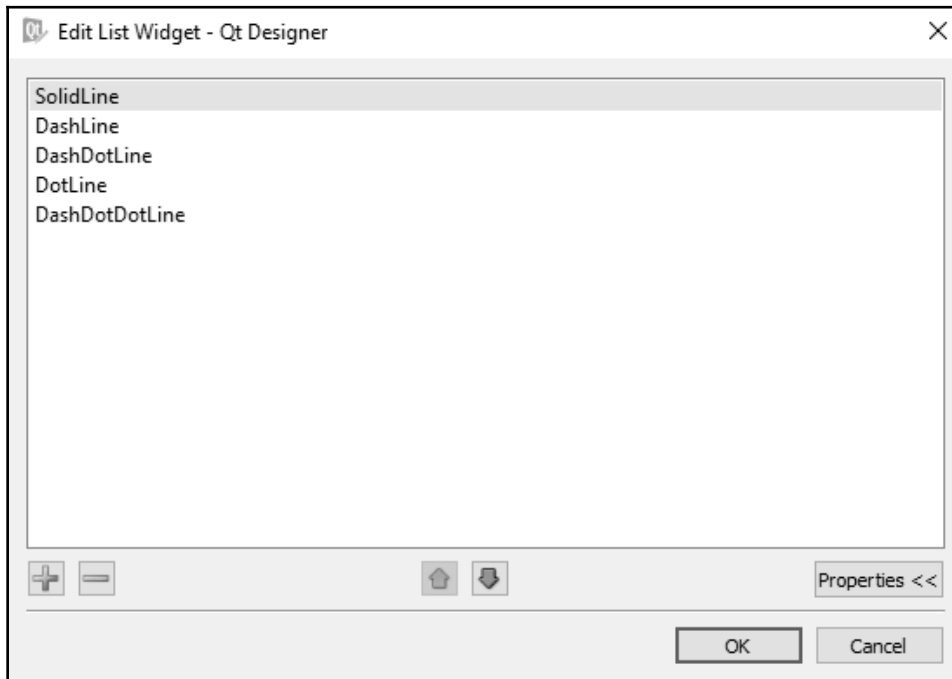
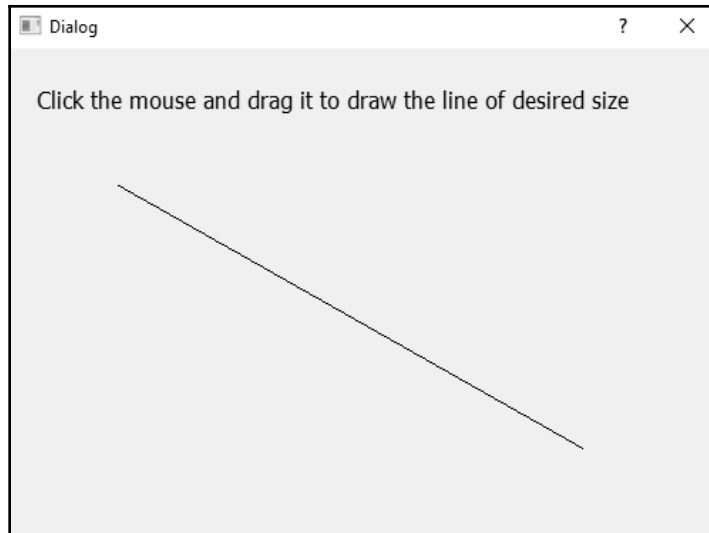


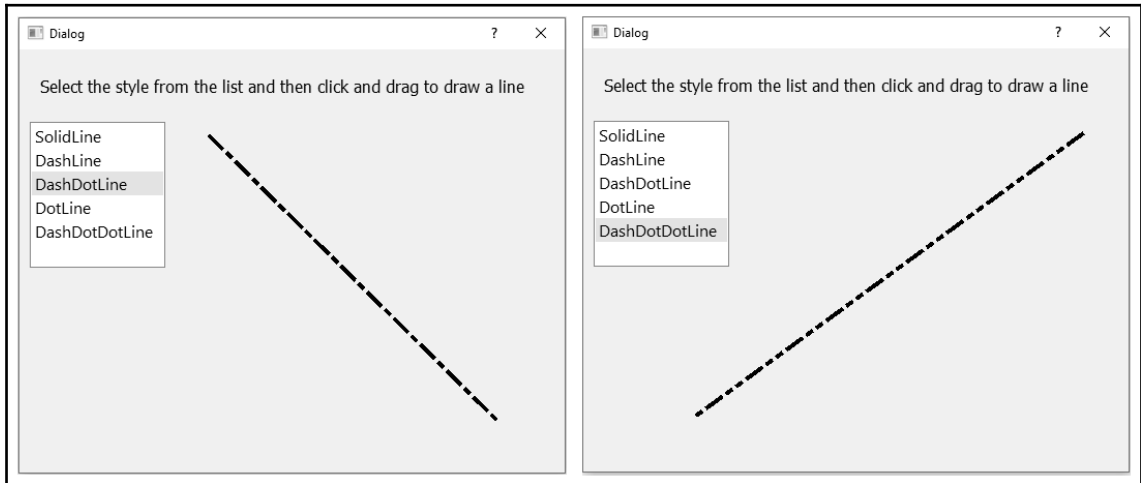
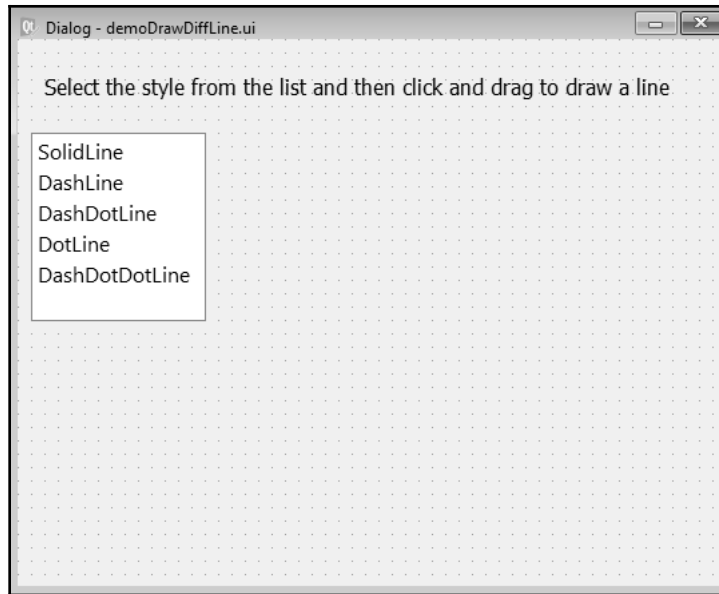
Chapter 10: Using Graphics

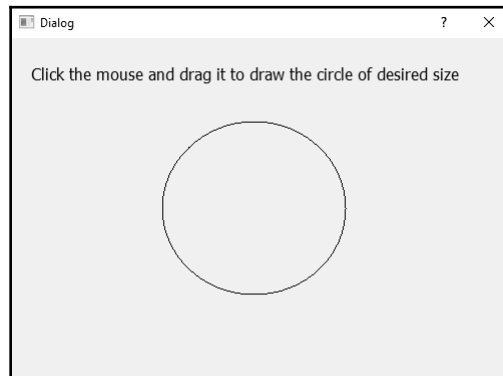
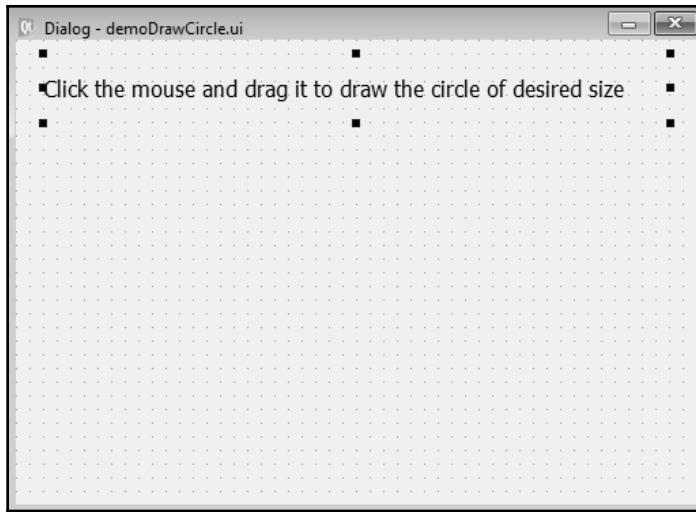


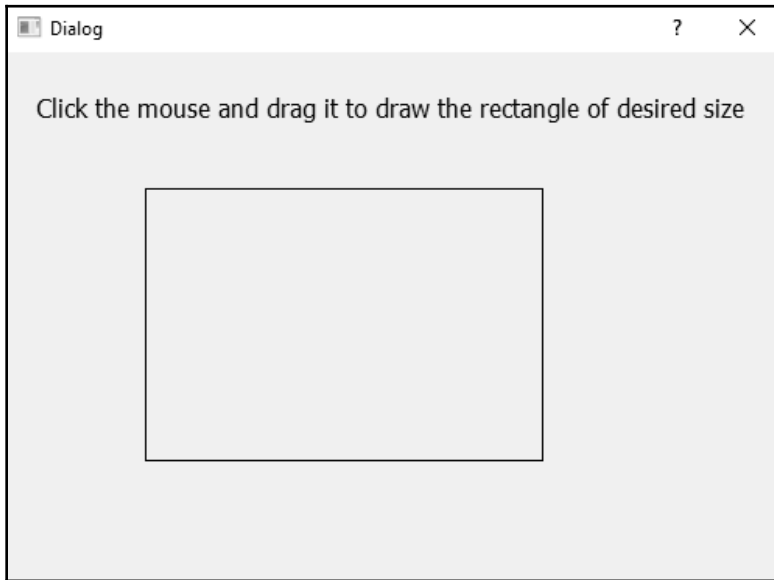
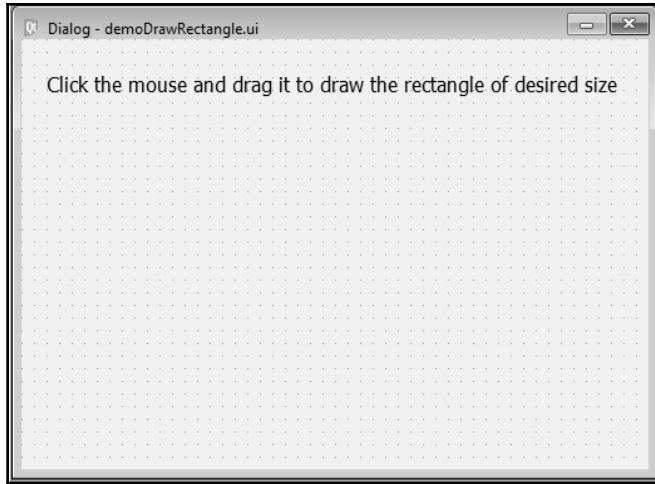


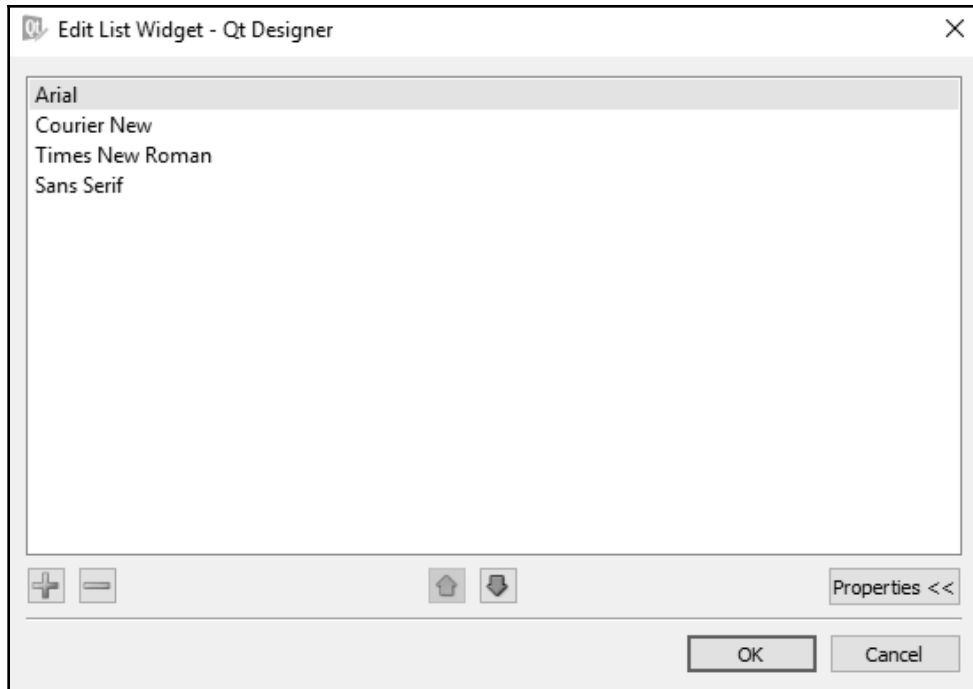


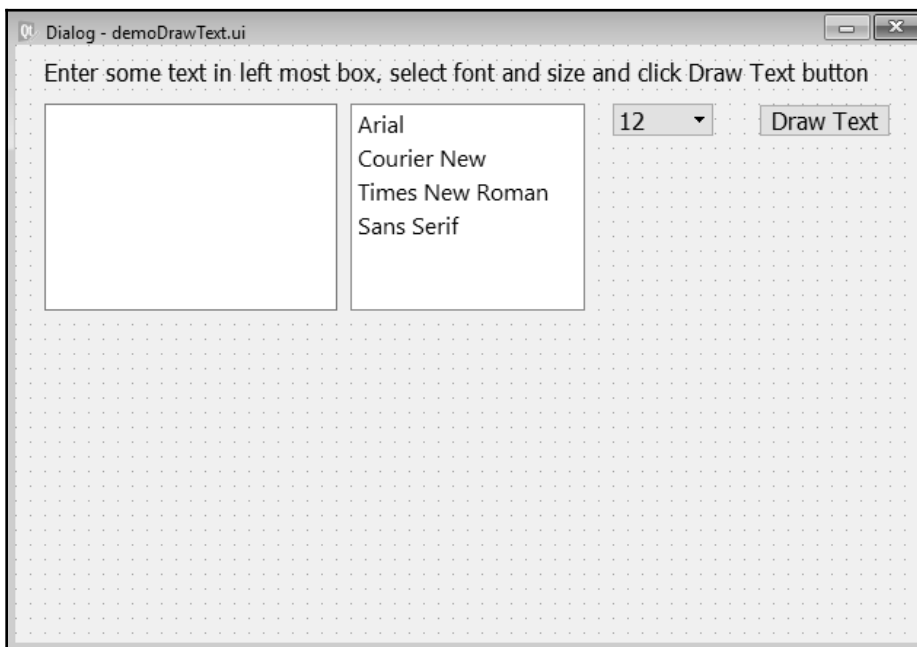
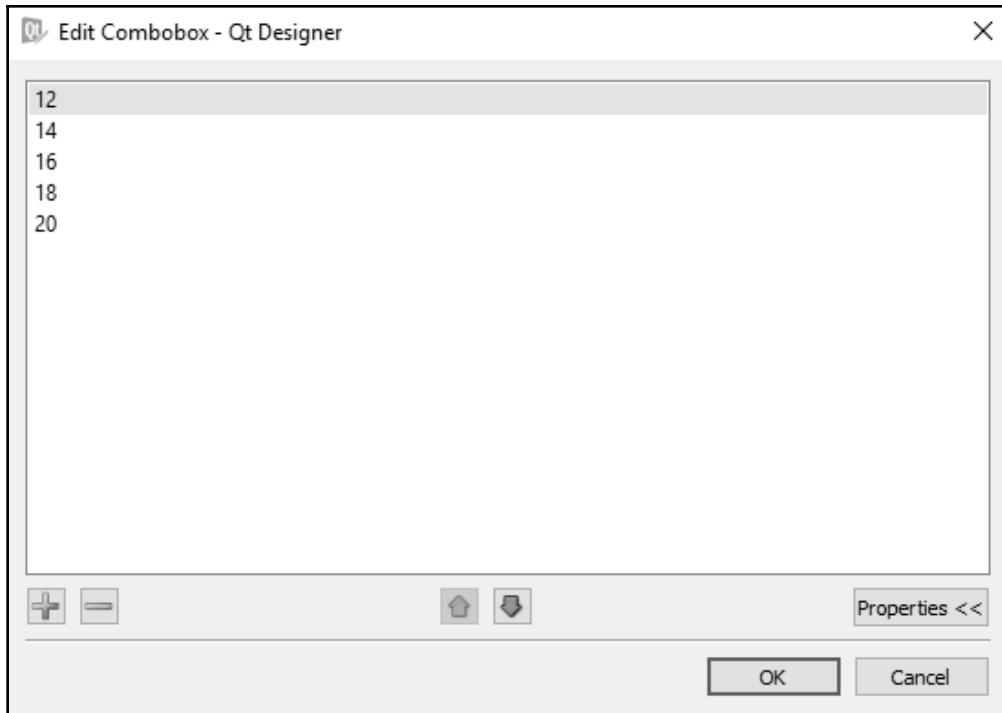


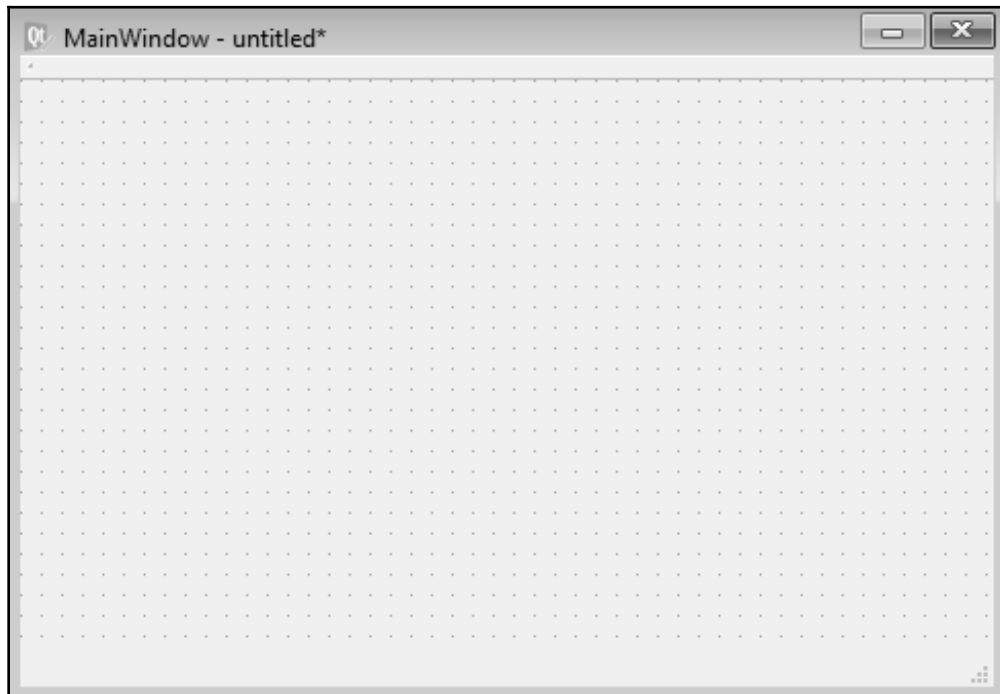
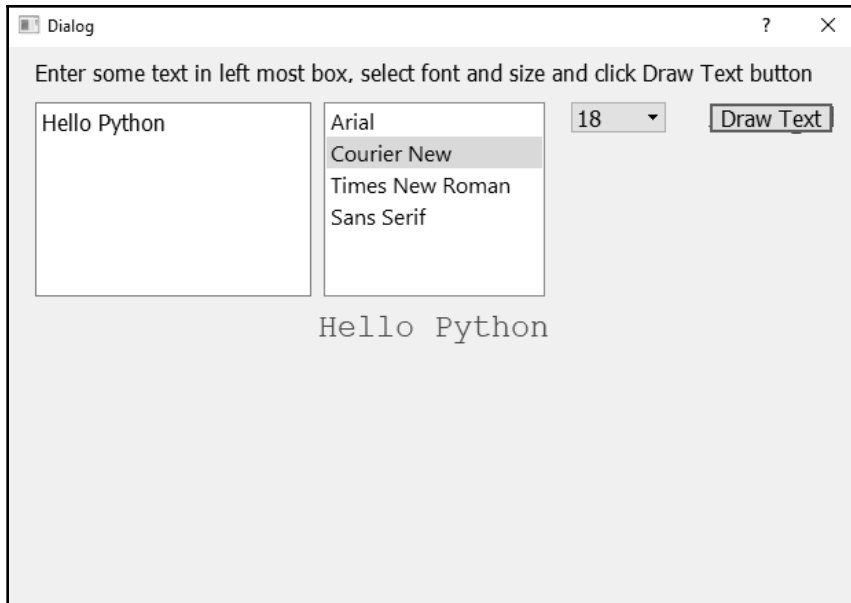


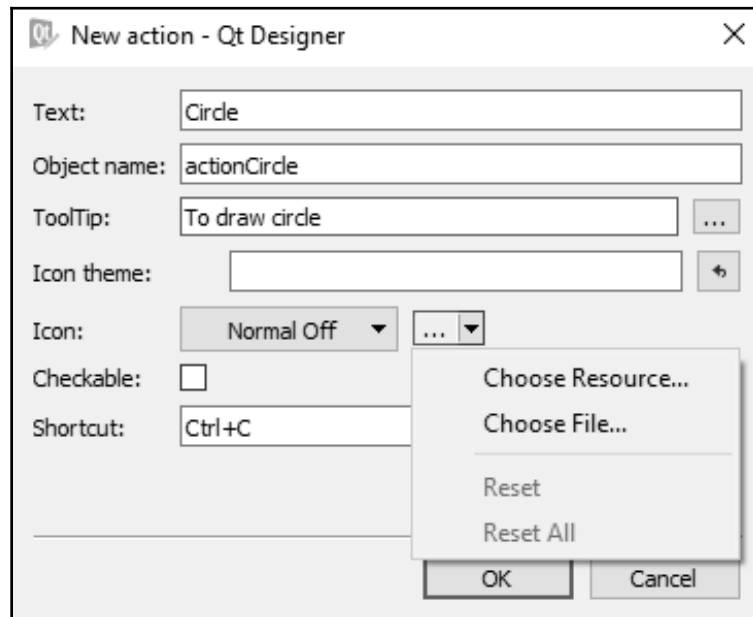
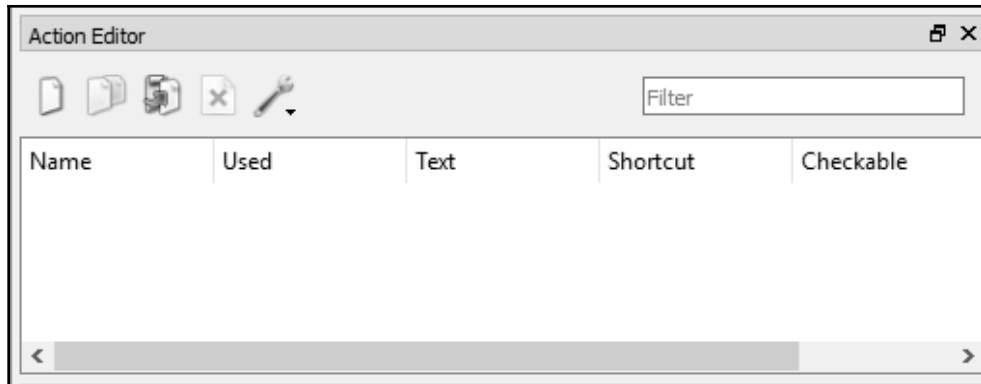


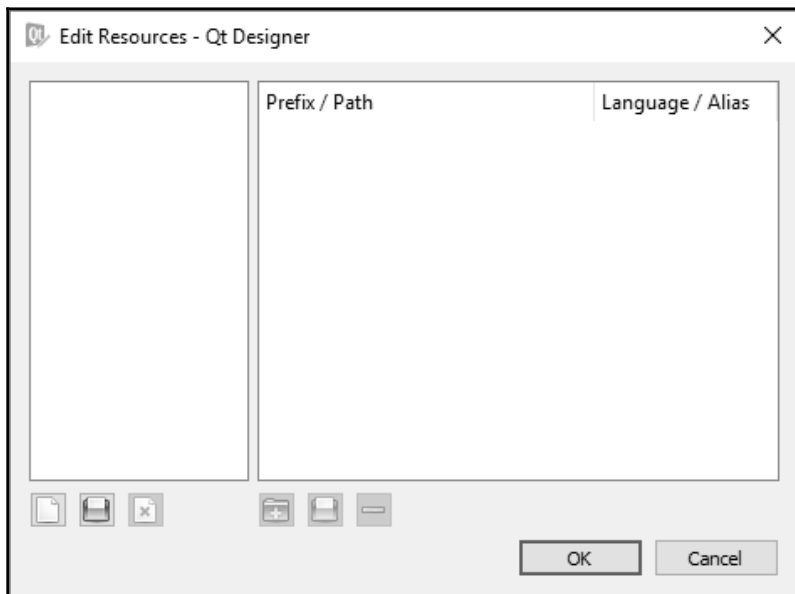
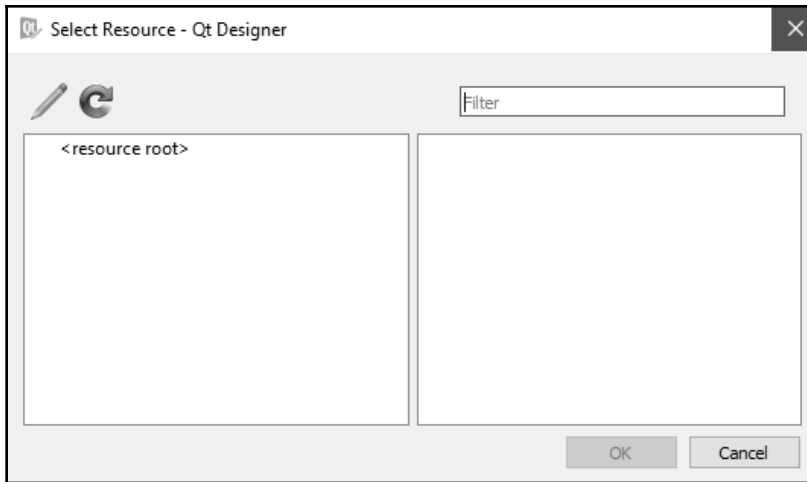


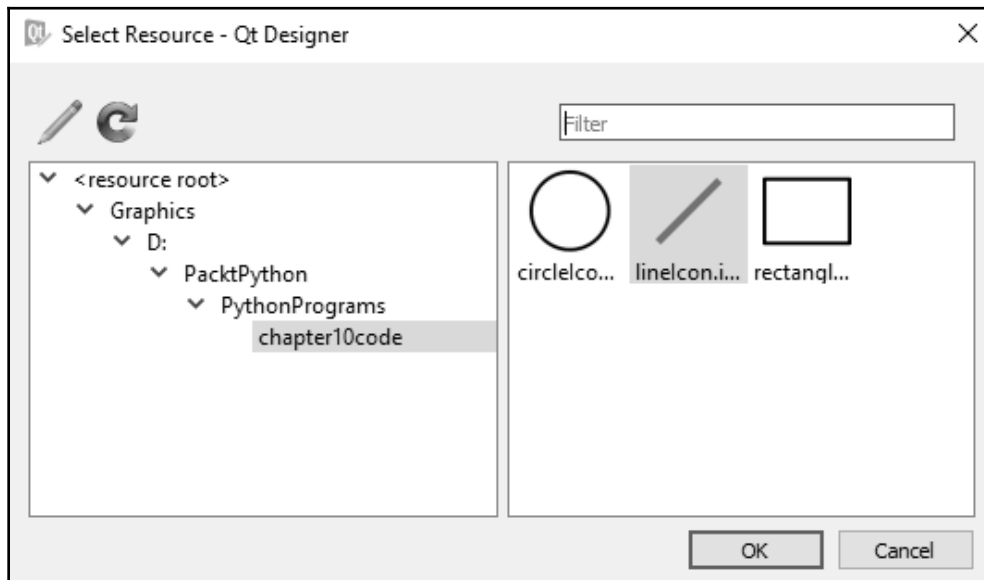
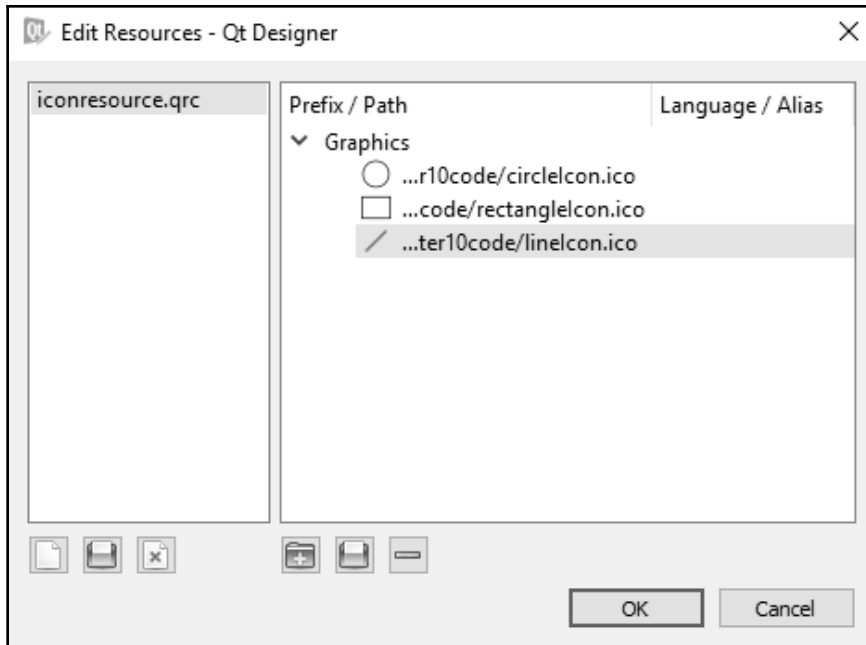


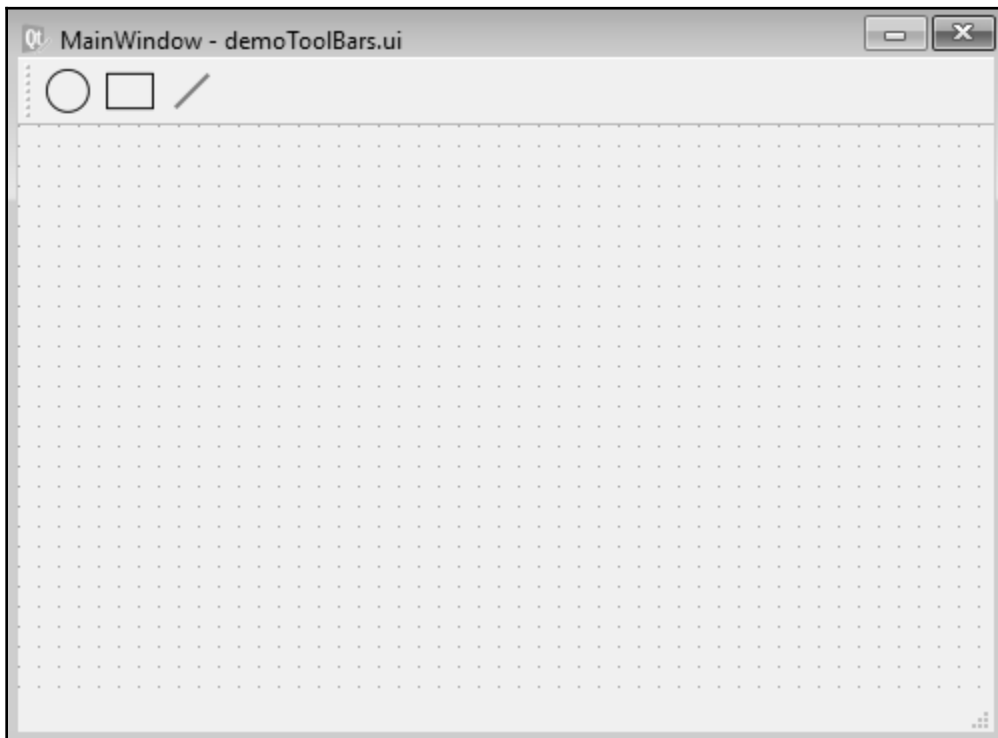
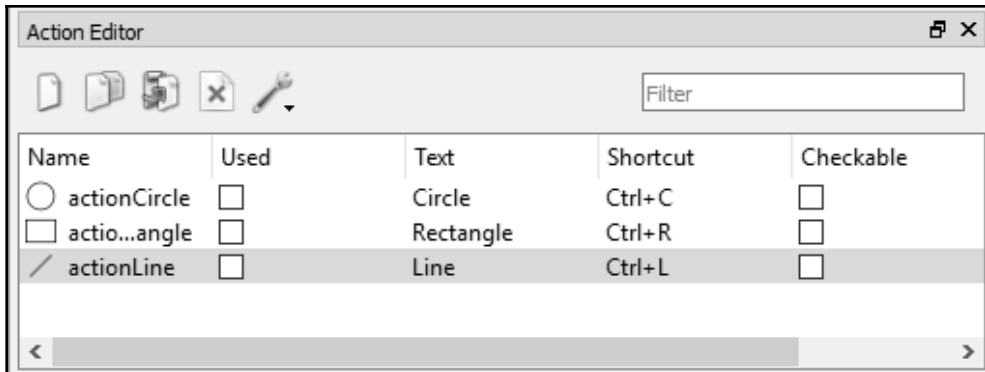


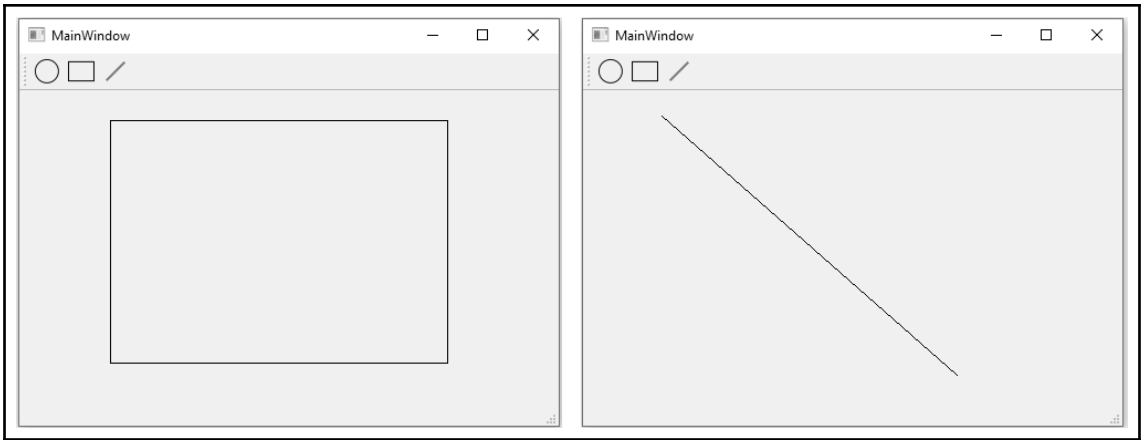
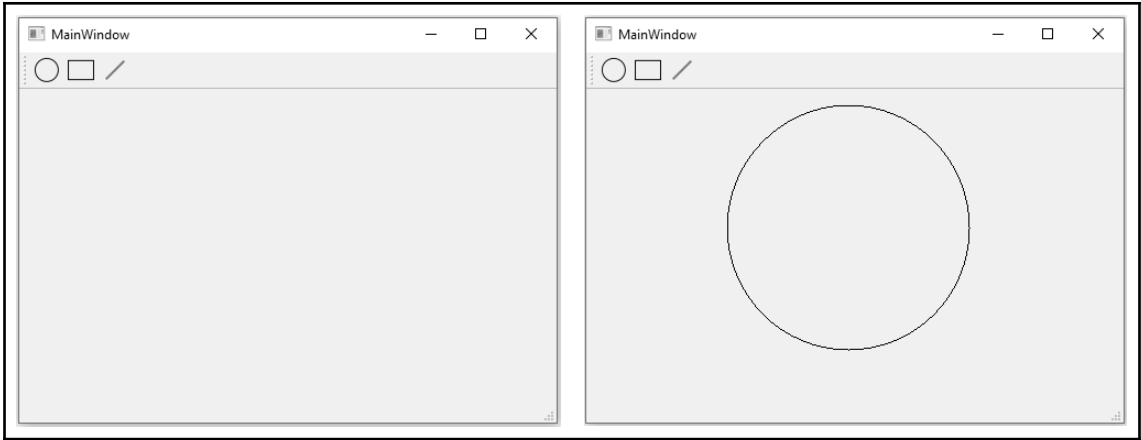


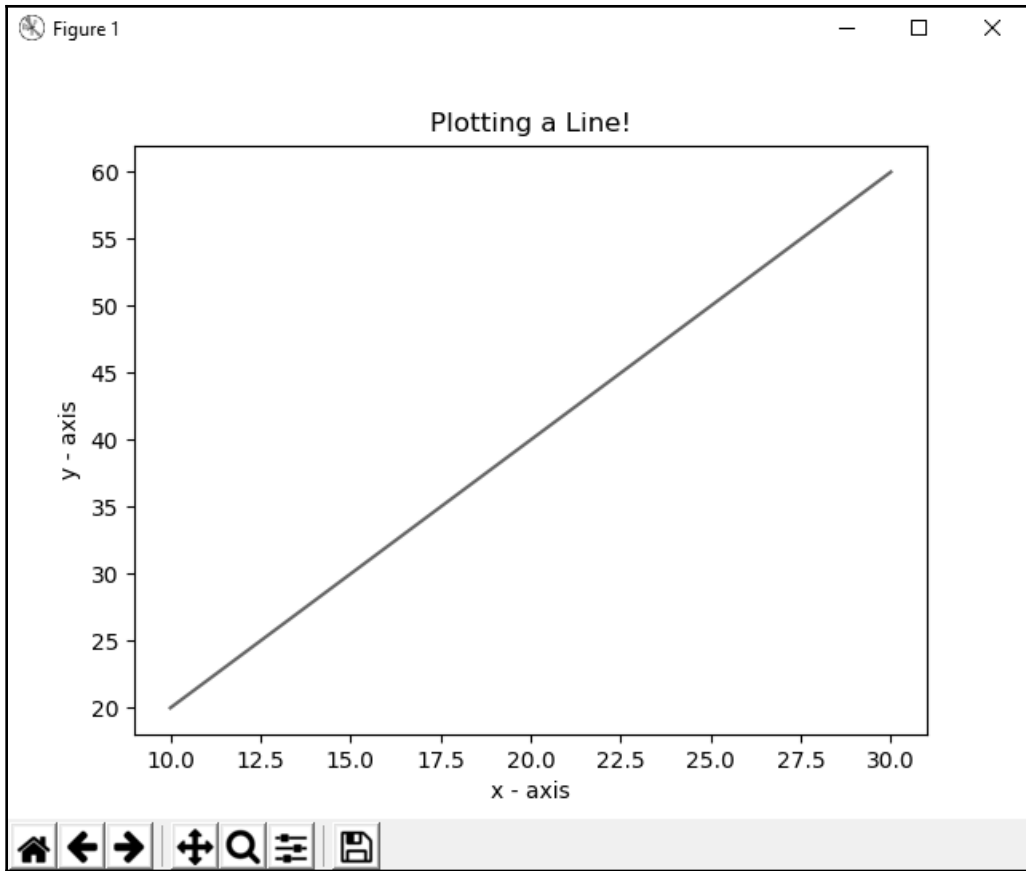


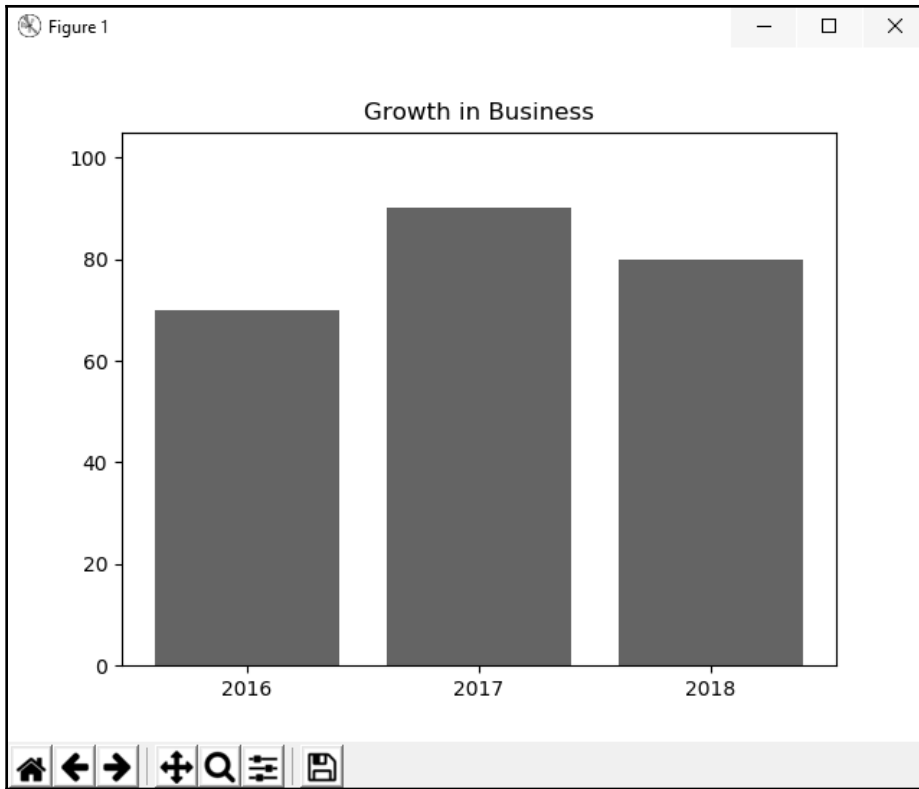




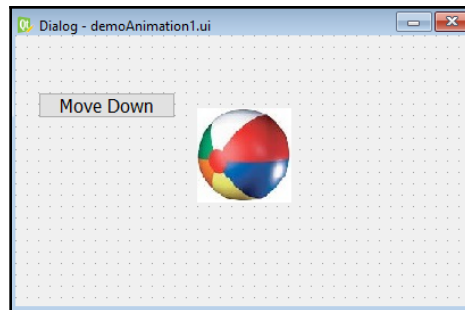
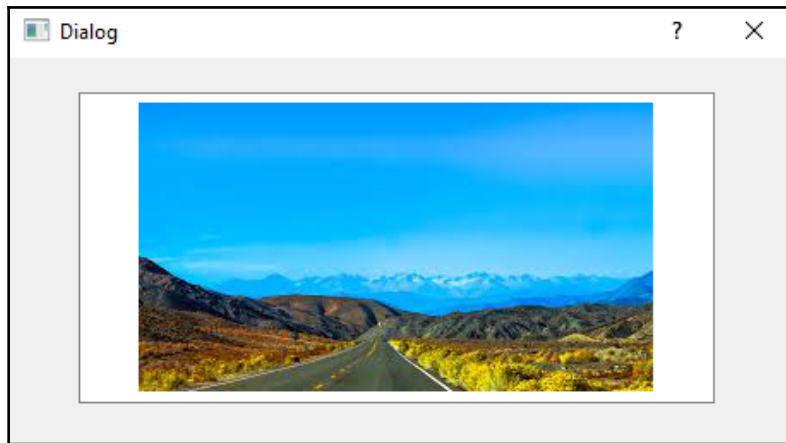
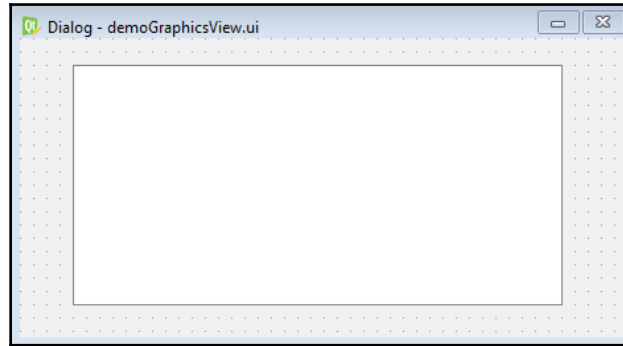


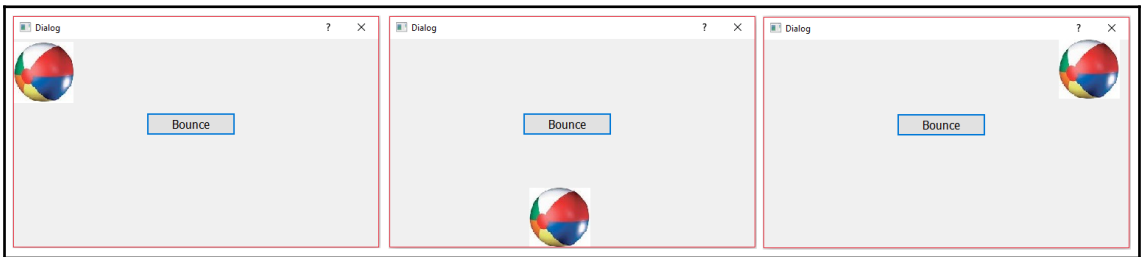
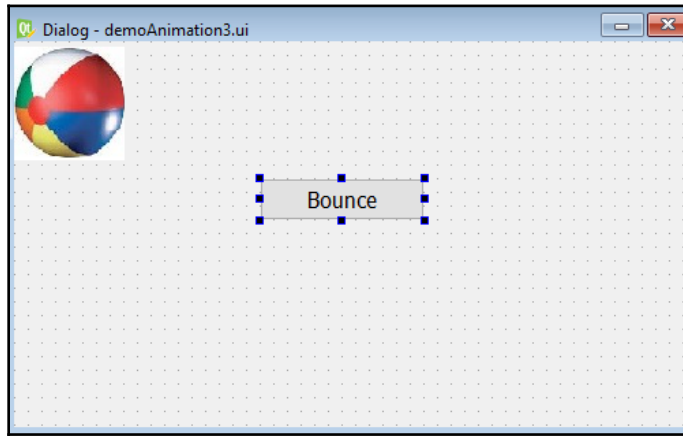
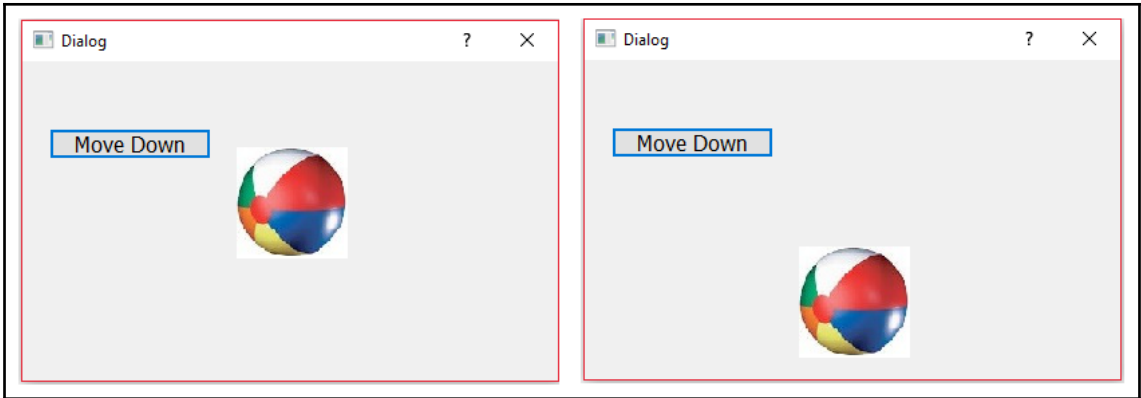


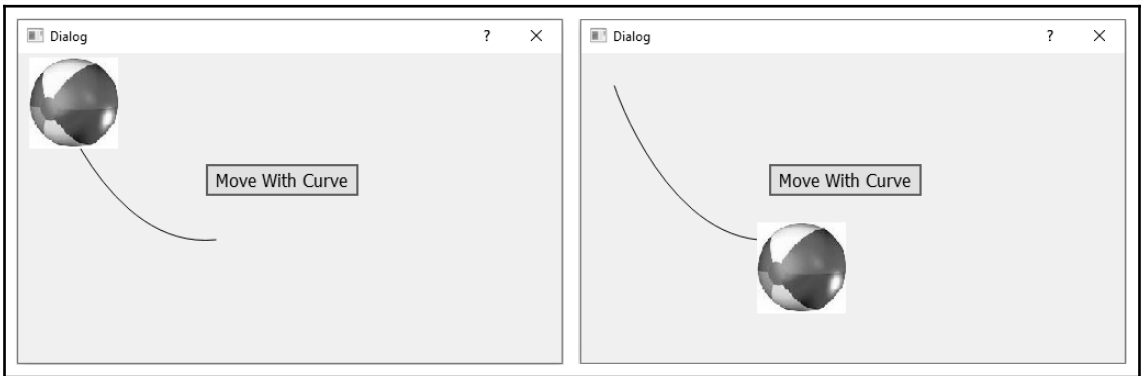
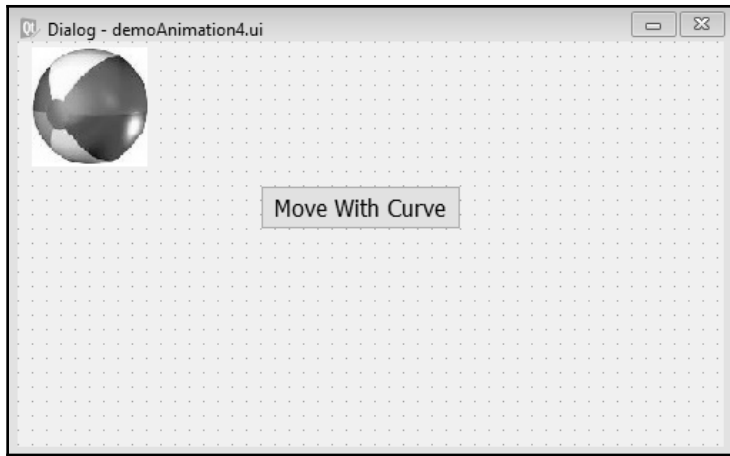




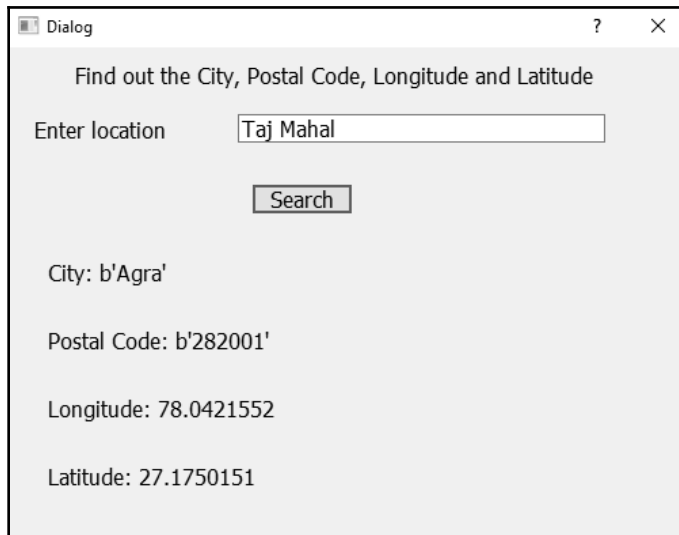
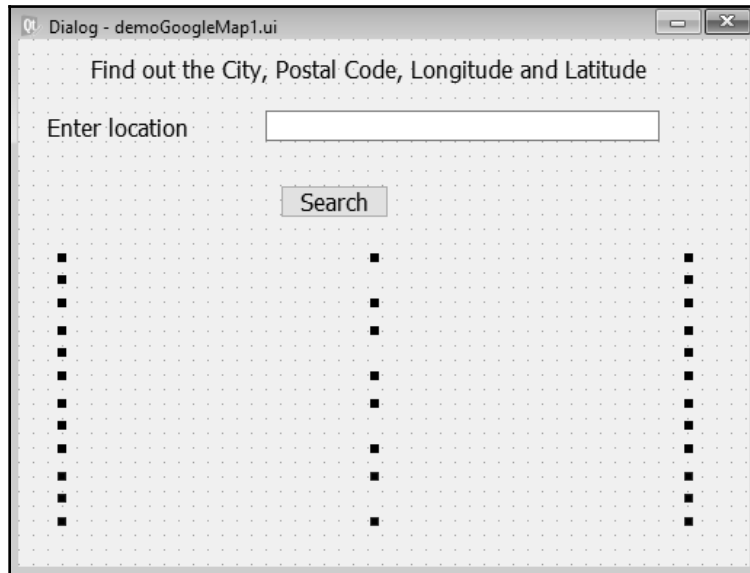
Chapter 11: Implementing Animation

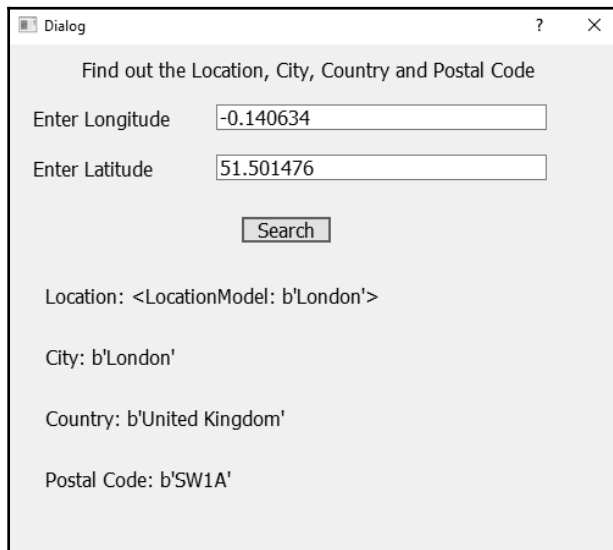
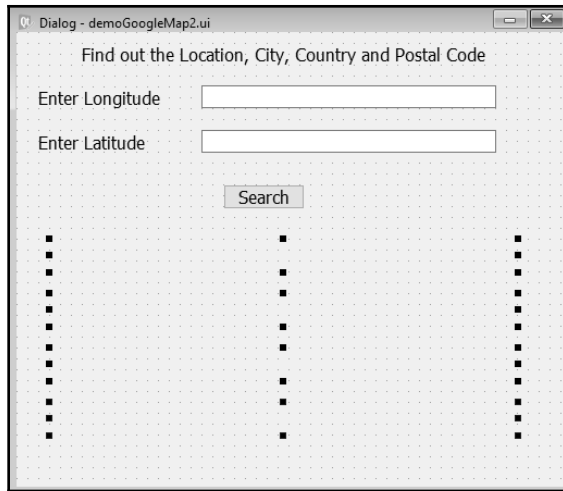


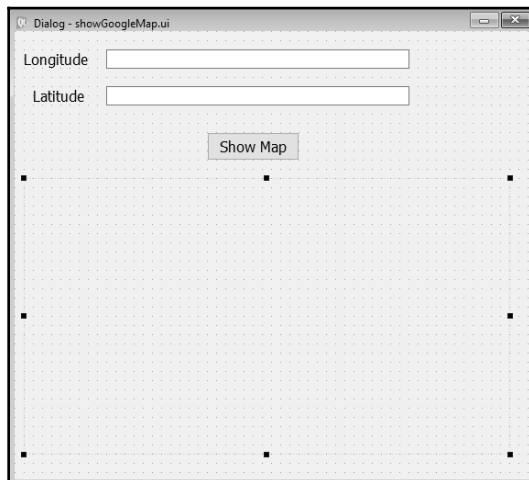
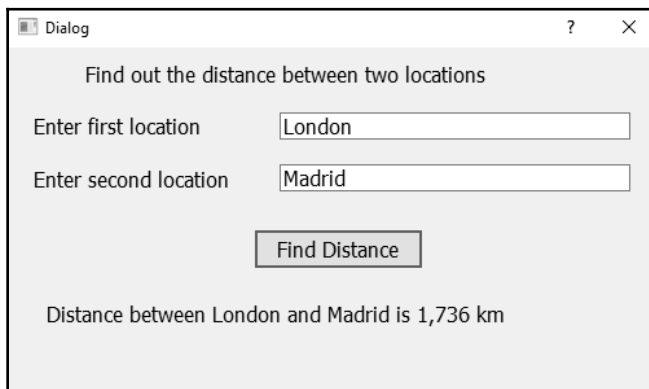
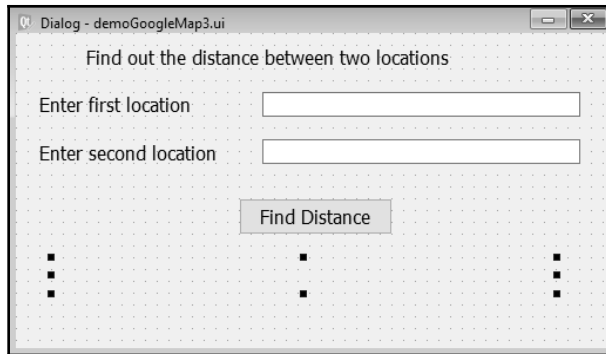


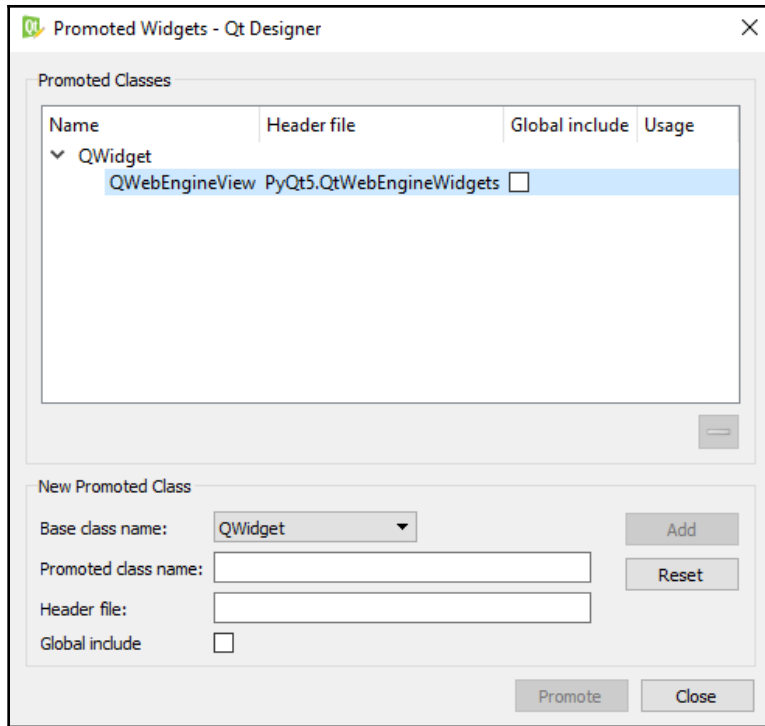


Chapter 12: Using Google Maps



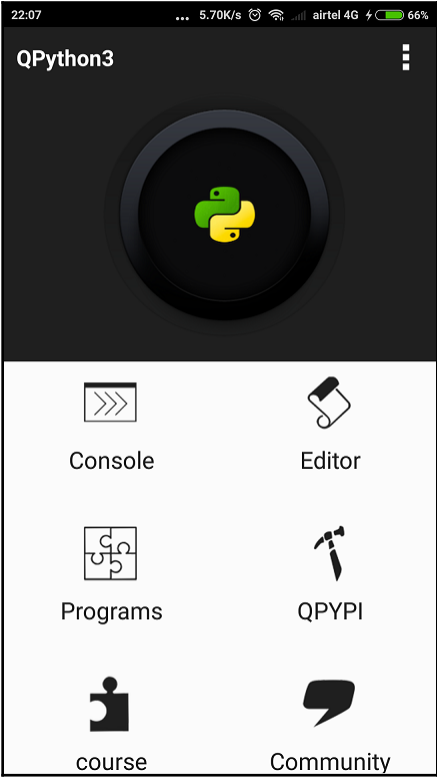








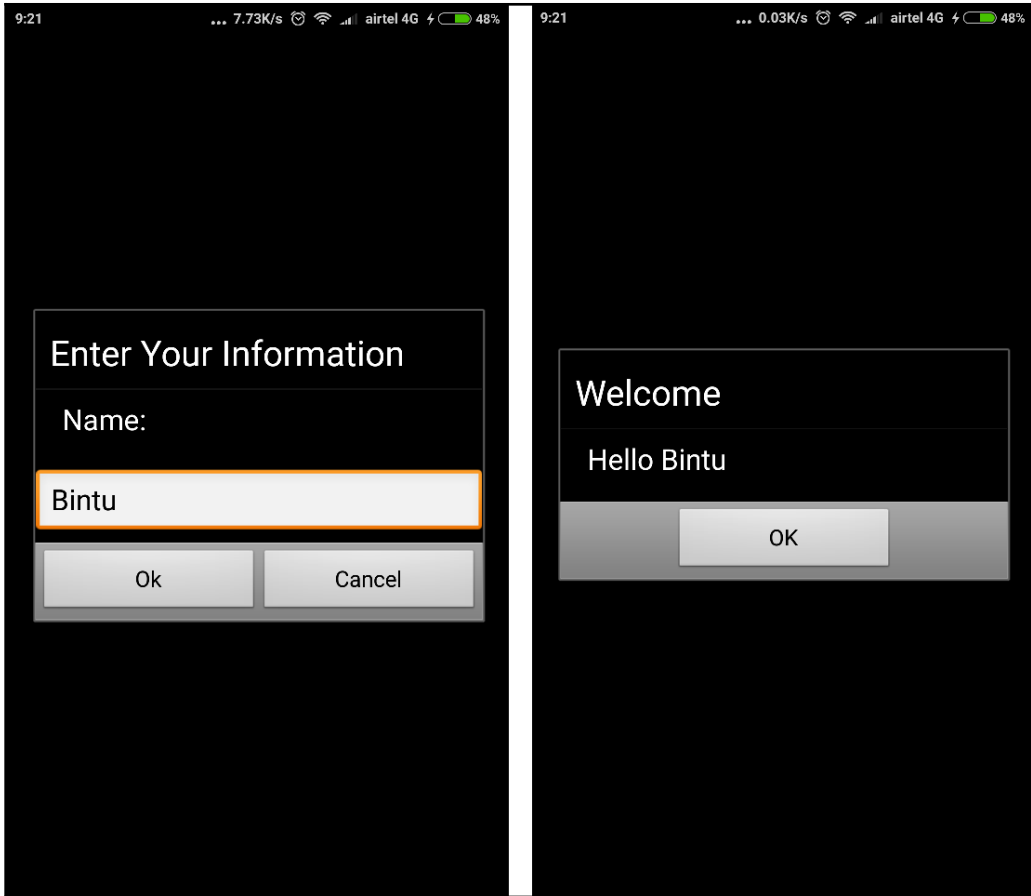
Chapter 13: Running Python Scripts on Android and iOS

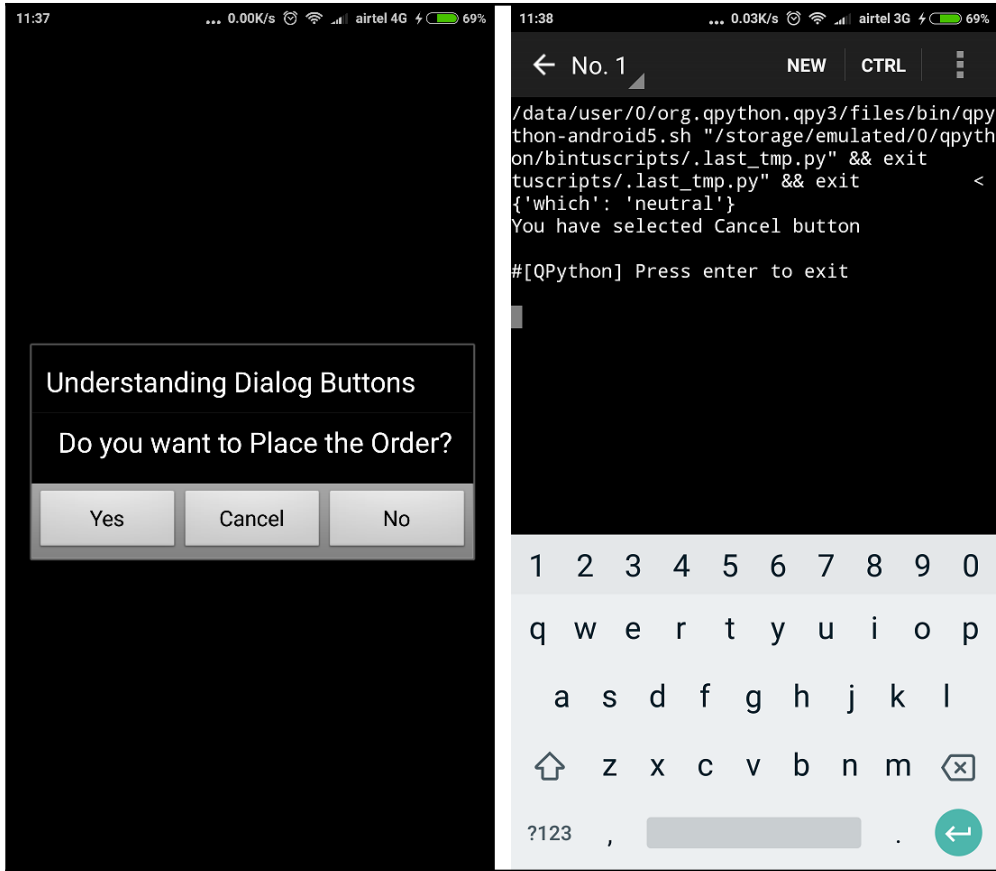


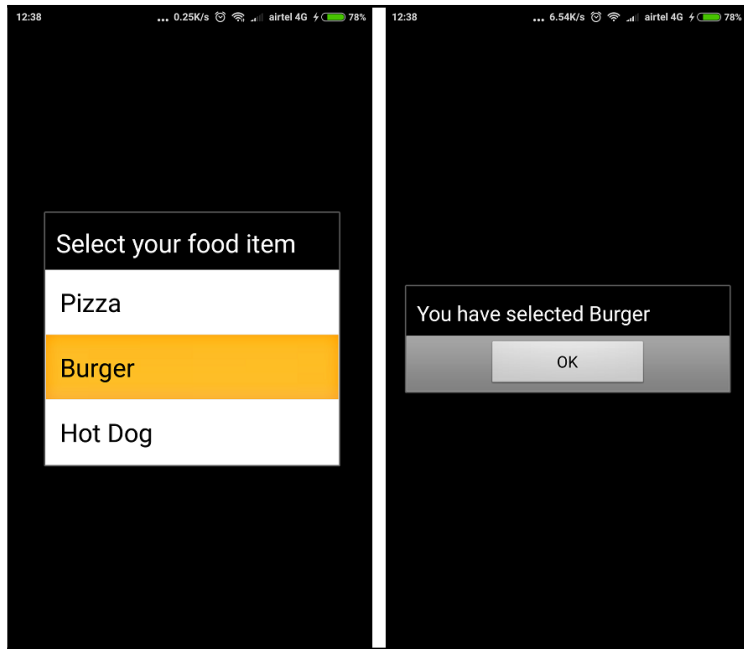
The image shows a screenshot of a mobile application interface, likely a code editor, displaying Java code. The status bar at the top shows the time as 22:10, a data speed of 0.00K/s, a signal strength indicator, 'airtel 4G', and a battery level of 65%. The title bar of the editor reads 'QEdit - Welco...'. The code is as follows:

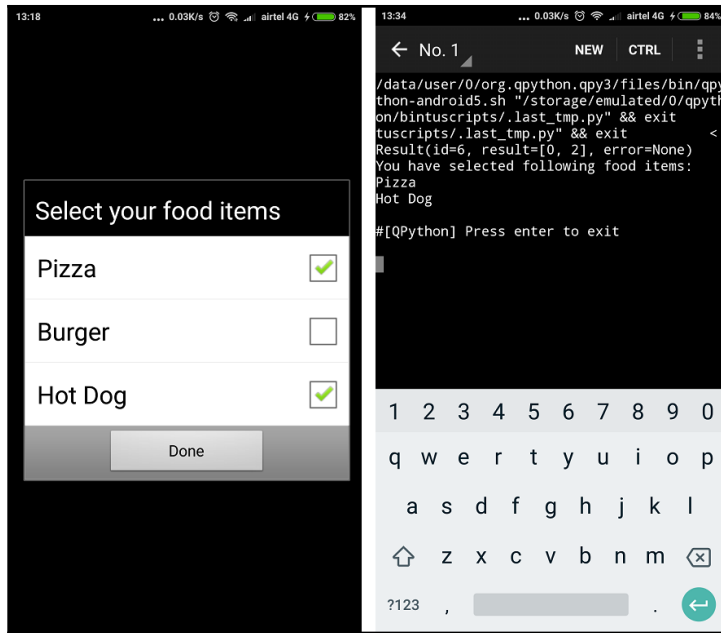
```
1 import android
2
3 app = android.Android()
4 name = app.dialogGetInput("Enter Y
5 app.dialogDismiss()
6 app.dialogCreateAlert("Welcome", "I
7 app.dialogSetPositiveButtonText('O
8 app.dialogShow()
9
```

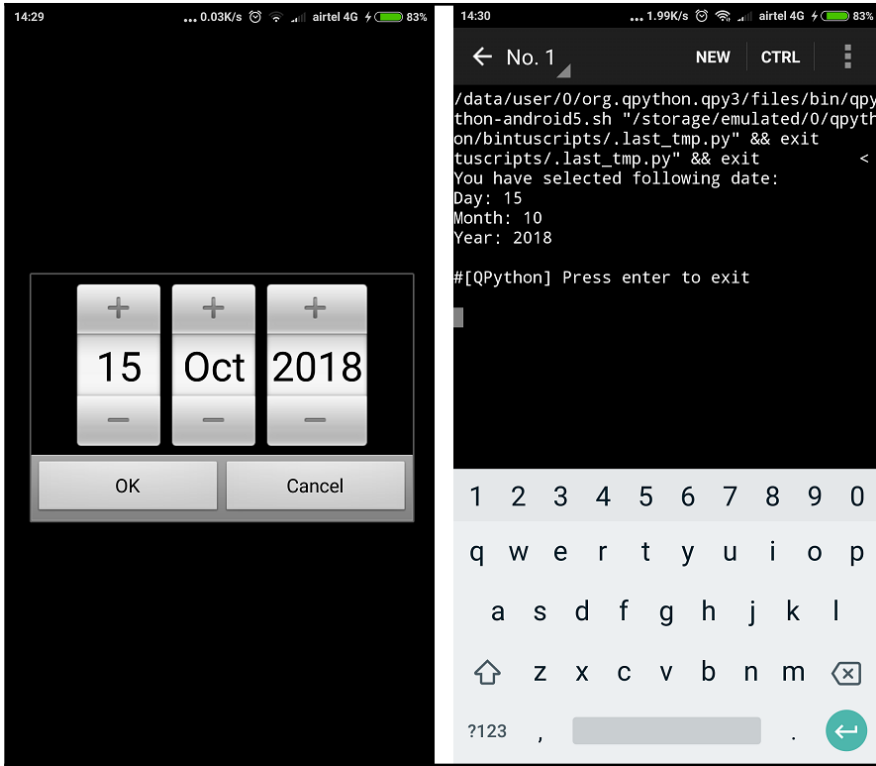
At the bottom of the editor, there is a toolbar with various icons for navigation and editing, including arrows, a magnifying glass, and a list icon.

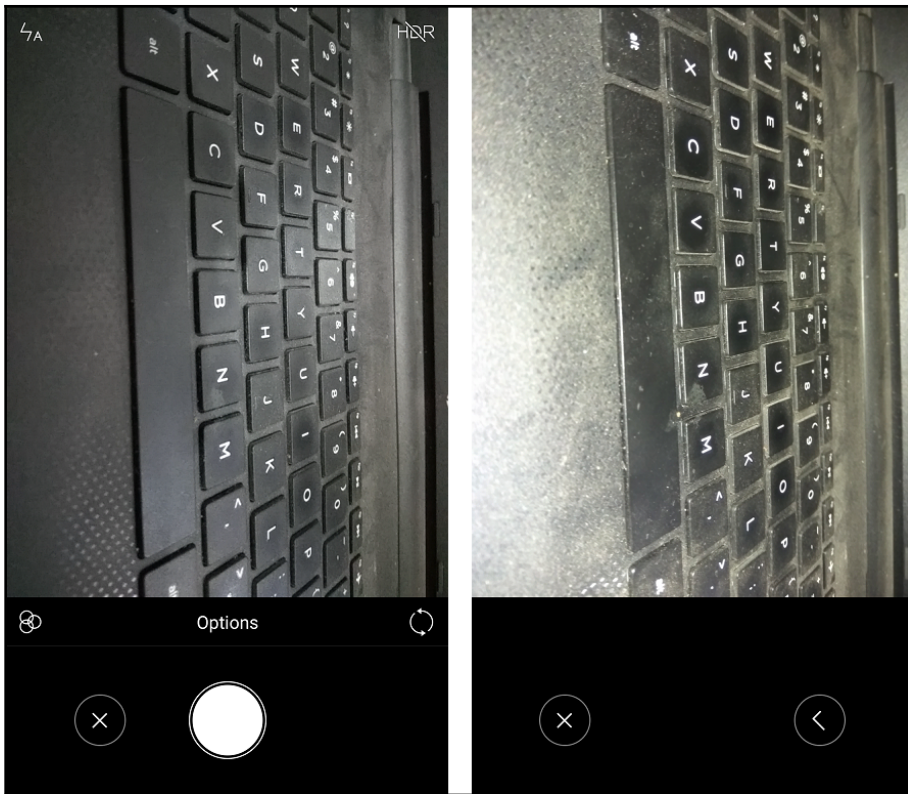












```
Administrator: Command Prompt
C:\helloworld>python -m pip install Cython
Collecting Cython
  Downloading https://files.pythonhosted.org/packages/90/3e/8fb8aacc6eef05b2c80ff46f02c850d41ea01dc43eb539c45aa2b783b2d2/Cython-0.28.3-cp35-cp35m-win_amd64.whl (2.4MB)
    100% |#####| 2.4MB 554kB/s
Installing collected packages: Cython
  The scripts cygdb.exe, cython.exe and cythonize.exe are installed in 'C:\Python35\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Cython-0.28.3

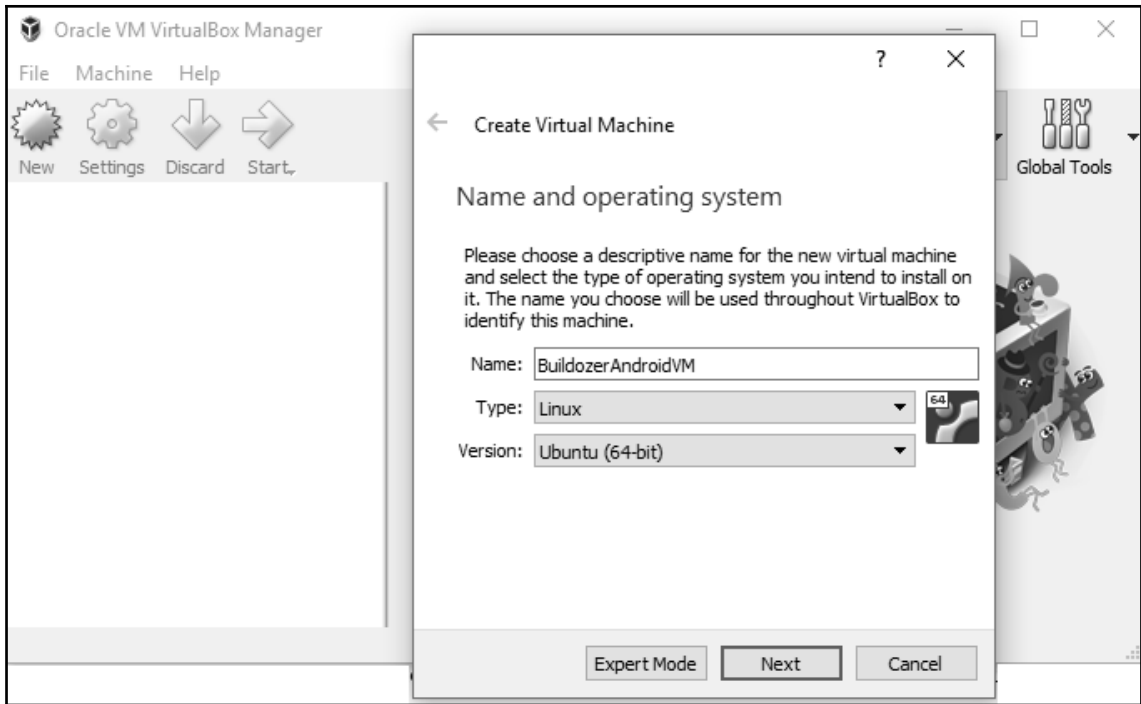
C:\helloworld>
```

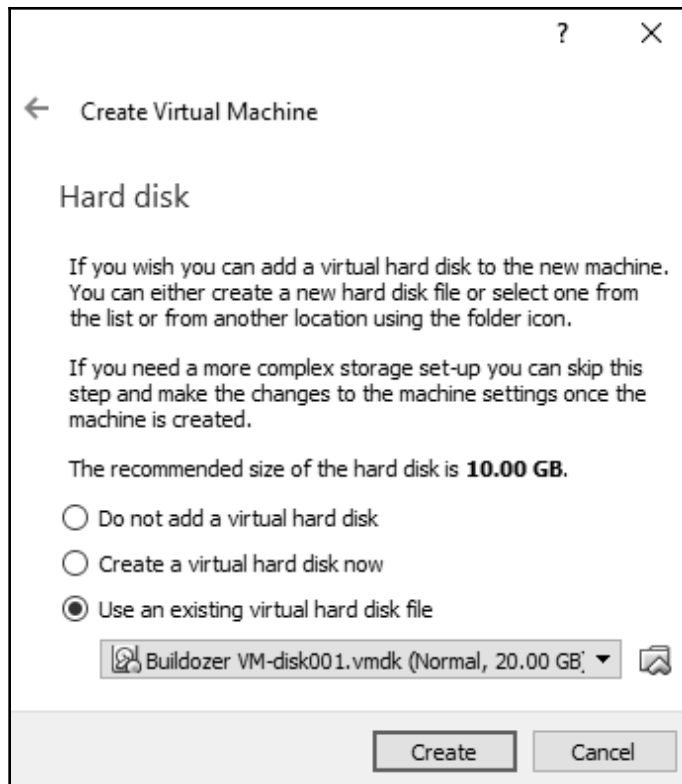
```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.16299.492]
(c) 2017 Microsoft Corporation. All rights reserved.

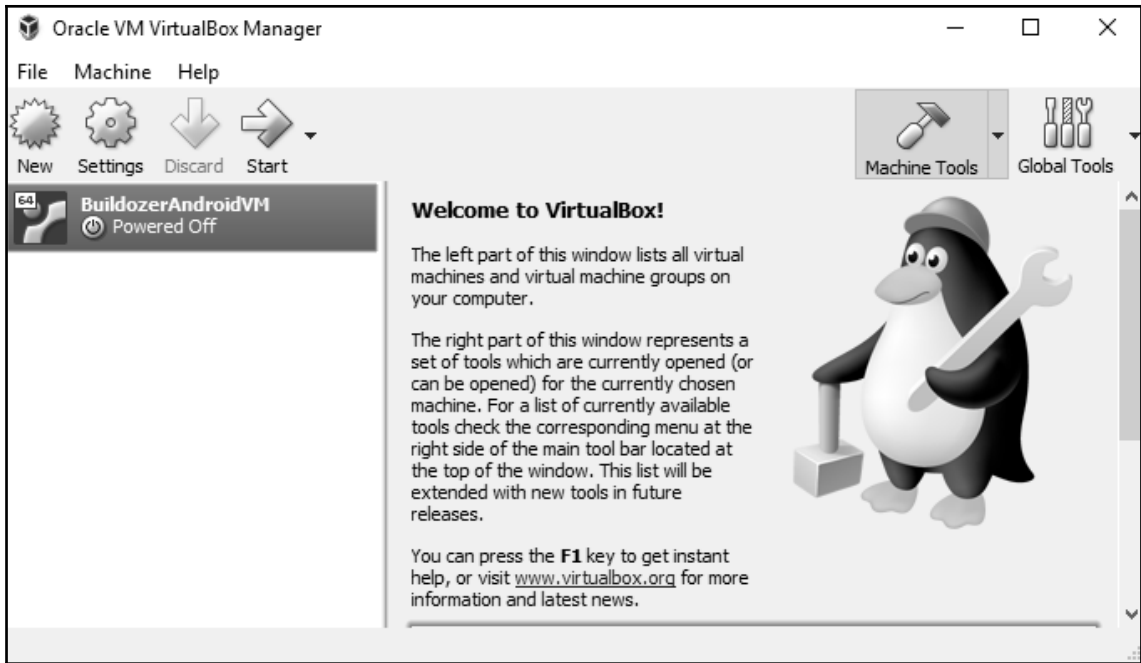
C:\Users\Administrator.bintu1>python -m pip install kivy
Collecting kivy
  Downloading https://files.pythonhosted.org/packages/52/68/694a850d398f7235005948c17c705b9027a9d009b8632e8e35f8b1ae0d9d
/Kivy-1.10.0-cp35-cp35m-win_amd64.whl (3.5MB)
    100% |#####| 3.5MB 504kB/s
Collecting docutils (from kivy)
  Downloading https://files.pythonhosted.org/packages/36/fa/08e96e0e3cbd1d362c3bbee8d01d0aedb2155c4ac112b19ef3cae8eed8d
/docutils-0.14-py3-none-any.whl (543kB)
    100% |#####| 552kB 546kB/s
Collecting pygments (from kivy)
  Downloading https://files.pythonhosted.org/packages/02/ee/b6e02dc6529e82b75bb06823ff7d005b141037cb1416b10c6f00fc419dca
/Pygments-2.2.0-py2.py3-none-any.whl (841kB)
    100% |#####| 849kB 546kB/s
Collecting Kivy-Garden==0.1.4 (from kivy)
  Downloading https://files.pythonhosted.org/packages/7d/68/decaee596ff8168a39432eb3949fc7c0be952ebb9467806823bffc165d48
/kivy-garden-0.1.4.tar.gz
Requirement already satisfied: requests in c:\python35\lib\site-packages (from Kivy-Garden==0.1.4->kivy) (2.18.4)
Requirement already satisfied: idna<2.7,>=2.5 in c:\python35\lib\site-packages (from requests->Kivy-Garden==0.1.4->kivy)
(2.6)
Requirement already satisfied: urllib3<1.23,>=1.21.1 in c:\python35\lib\site-packages (from requests->Kivy-Garden==0.1.4
->kivy) (1.22)
Requirement already satisfied: certifi>=2017.4.17 in c:\python35\lib\site-packages (from requests->Kivy-Garden==0.1.4->k
ivy) (2018.4.16)
Requirement already satisfied: chardet<3.1.0,>=3.0.2 in c:\python35\lib\site-packages (from requests->Kivy-Garden==0.1.4
->kivy) (3.0.4)
Installing collected packages: docutils, pygments, Kivy-Garden, kivy
  The script pygmentize.exe is installed in 'C:\Python35\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
  Running setup.py install for Kivy-Garden ... done
Successfully installed Kivy-Garden-0.1.4 docutils-0.14 kivy-1.10.0 pygments-2.2.0

C:\Users\Administrator.bintu1>
```

Python On Android Device







```
Terminal - kivy@kivyvm: ~/Downloads/dispmessage
File Edit View Terminal Tabs Help
kivy@kivyvm:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kivy@kivyvm:~$ cd Downloads
kivy@kivyvm:~/Downloads$ ls
dispmessage
kivy@kivyvm:~/Downloads$ cd dispmessage
kivy@kivyvm:~/Downloads/dispmessage$ cat main.py
from kivy.app import App
from kivy.ui.button import Button
from kivy.ui.label import Label
from kivy.ui.boxlayout import BoxLayout

class MessageApp(App):
    def build(self):
        layout = BoxLayout(orientation='horizontal')
        pushButton = Button(text='Click Me')
        pushButton.bind(on_press=self dispMessage)
        self.labelMessage=Label(text="")
        layout.add_widget(pushButton)
        layout.add_widget(self.labelMessage)
        return layout

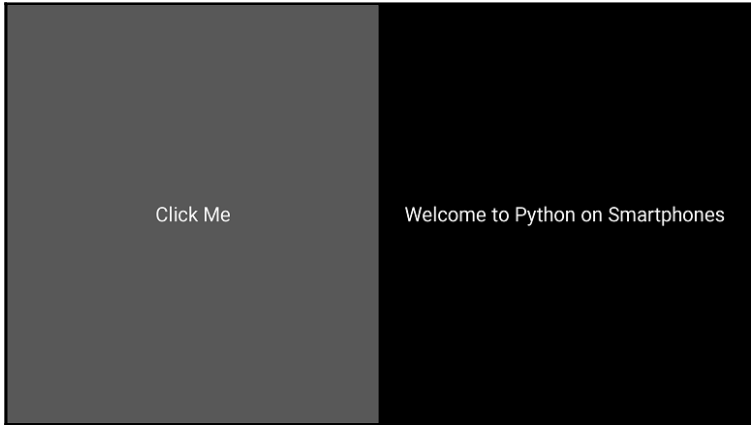
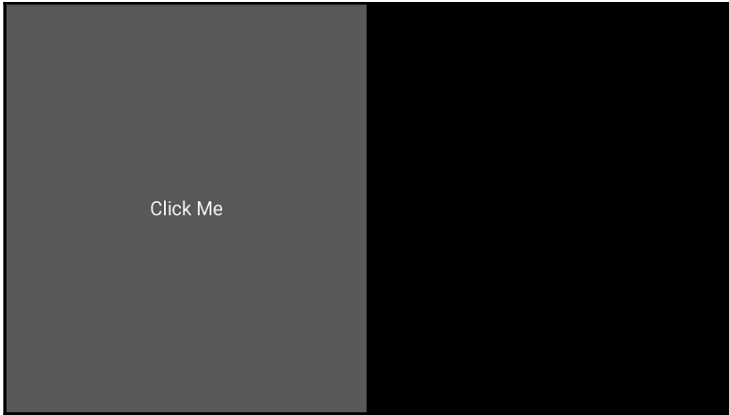
    def dispMessage(self, event):
        self.labelMessage.text = "Welcome to Python on Smartphones"

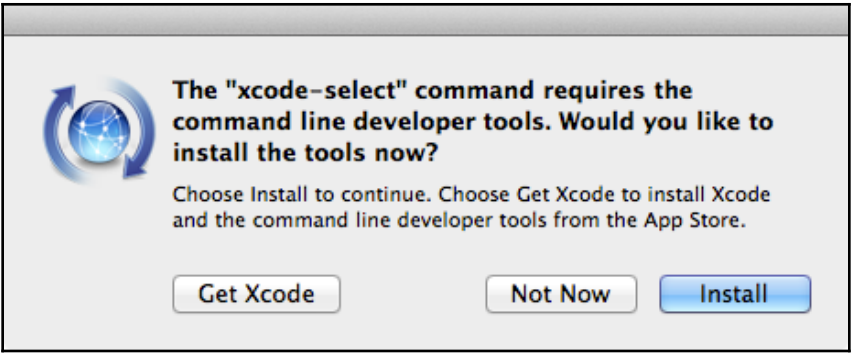
MessageApp().run()

kivy@kivyvm:~/Downloads/dispmessage$ buildozer init
File buildozer.spec created, ready to customize!
kivy@kivyvm:~/Downloads/dispmessage$
```

```
Terminal - kivy@kivyvm: ~/Downloads/dispmessage
File Edit View Terminal Tabs Help
kivy@kivyvm:~/Downloads/dispmessage$ buildozer android debug
# Check configuration tokens
# Ensure build layout
# Check configuration tokens
# Preparing build
# Check requirements for android
# Install platform
# Apache ANT found at /home/kivy/.buildozer/android/platform/apache-ant-1.9.4
# Android SDK found at /home/kivy/.buildozer/android/platform/android-sdk-20
# Android NDK found at /home/kivy/.buildozer/android/platform/android-ndk-r9c
Refresh Sources:
  Fetching https://dl-ssl.google.com/android/repository/addons_list-2.xml
  Validate XML
  Parse XML
  Fetched Add-ons List successfully
  Refresh Sources
  Fetching URL: https://dl-ssl.google.com/android/repository/repository-9.xml
  Validate XML: https://dl-ssl.google.com/android/repository/repository-8.xml
  Parse XML: https://dl-ssl.google.com/android/repository/repository-8.xml
  Fetching URL: https://dl-ssl.google.com/android/repository/addon.xml
  Validate XML: https://dl-ssl.google.com/android/repository/addon.xml
  Fetching URL: https://dl-ssl.google.com/android/repository/glass/addon.xml
  Validate XML: https://dl-ssl.google.com/android/repository/glass/addon.xml
  Fetching URL: https://dl-ssl.google.com/android/repository/extras/intel/addon.xml
-----
id: 194 or "extra-google-market_licensing"
  Type: Extra
  Desc: Google Play Licensing Library, revision 1
        By google
        Android Market Licensing client library
        Install path: extras/google/market_licensing
-----
id: 195 or "extra-google-simulators"
  Type: Extra
  Desc: Android Auto API Simulators, revision 1
        By Google Inc.
        Android Auto API testing simulators
        Install path: extras/google/simulators
-----
id: 196 or "extra-google-webdriver"
  Type: Extra
  Desc: Google Web Driver, revision 2
        By Google Inc.
        Install path: extras/google/webdriver

# Android packages installation done.
# Check application requirements
# Check garden requirements
# Compile platform
# Distribution compiled.
# Build the application #1
# Package the application
# Android packaging done!
# APK PythonOnAndroidApp-0.1-debug.apk available in the bin directory
kivy@kivyvm:~/Downloads/dispmessage$
```



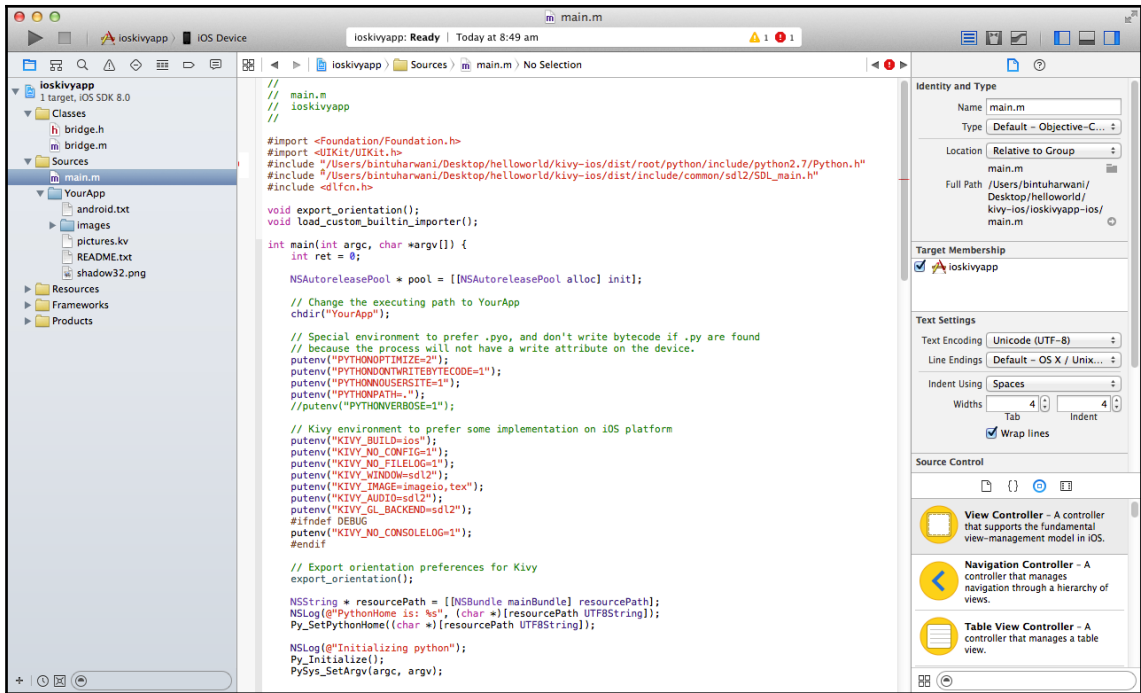
```
kivy-ios — bash — 114x39
Bintus-MacBook-Pro:kivy-ios bintuharwani$ brew install autoconf automake libtool pkg-config
Updating Homebrew...
Warning: pkg-config 0.29.2 is already installed and up-to-date
To reinstall 0.29.2, run `brew reinstall pkg-config`
==> Downloading https://homebrew.bintray.com/bottles/autoconf-2.69.mavericks.bottle.4.tar.gz
##### 100.0%
==> Pouring autoconf-2.69.mavericks.bottle.4.tar.gz
==> Caveats
Emacs Lisp files have been installed to:
  /usr/local/share/emacs/site-lisp/autoconf
==> Summary
📦 /usr/local/Cellar/autoconf/2.69: 70 files, 3.0MB
==> Downloading https://ftp.gnu.org/gnu/automake/automake-1.16.1.tar.xz
##### 100.0%
==> ./configure --prefix=/usr/local/Cellar/automake/1.16.1
==> make install
📦 /usr/local/Cellar/automake/1.16.1: 131 files, 3MB, built in 20 seconds
==> Downloading https://homebrew.bintray.com/bottles/libtool-2.4.6_1.mavericks.bottle.tar.gz
##### 100.0%
==> Pouring libtool-2.4.6_1.mavericks.bottle.tar.gz
==> Caveats
In order to prevent conflicts with Apple's own libtool we have prepended a "g"
so, you have instead: glibtool and glibtoolize.
==> Summary
📦 /usr/local/Cellar/libtool/2.4.6_1: 70 files, 3.7MB
Bintus-MacBook-Pro:kivy-ios bintuharwani$
```

```
Bintus-MacBook-Pro:kivy-ios bintuharwani$ sudo pip install Cython==0.28.3
The directory '/Users/bintuharwani/Library/Caches/pip/http' or its parent directory is not owned by the current user and the cache has been disabled. Please check the permissions and owner of that directory. If executing pip with sudo, you may want sudo's -H flag.
The directory '/Users/bintuharwani/Library/Caches/pip' or its parent directory is not owned by the current user and caching wheels has been disabled. check the permissions and owner of that directory. If executing pip with sudo, you may want sudo's -H flag.
Collecting Cython==0.28.3
  Downloading https://files.pythonhosted.org/packages/c3/8c/7f02cdae3473a2bba01a8385031a07694d54b1f837e5a060960900be0137/Cython-0.28.3-cp27-cp27m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_10_intel.macosx_10_10_x86_64.whl (5.1MB)
    100% |██████████████████████████████████████████| 5.1MB 199kB/s
Installing collected packages: Cython
Successfully installed Cython-0.28.3
Bintus-MacBook-Pro:kivy-ios bintuharwani$
```

```
Bintus-MacBook-Pro:helloworld bintuharwani$ git clone git://github.com/kivy/kivy-ios
Cloning into 'kivy-ios'...
remote: Counting objects: 12862, done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 12862 (delta 0), reused 3 (delta 0), pack-reused 12856
Receiving objects: 100% (12862/12862), 83.16 MiB | 505.00 KiB/s, done.
Resolving deltas: 100% (5512/5512), done.
Checking connectivity... done.
Bintus-MacBook-Pro:helloworld bintuharwani$ ls
kivy-ios      main.py
Bintus-MacBook-Pro:helloworld bintuharwani$ cd kivy-ios
Bintus-MacBook-Pro:kivy-ios bintuharwani$ ./toolchain.py build kivy
```

```
kivy-ios — bash — 92x47
Bintus-MacBook-Pro:kivy-ios bintuharwani$ ./toolchain.py create ioskivyapp /Users/bintuharwani/Desktop/helloworld
Include dir added: {arch.arch}/freetype
-----
The project need to have:
iOS Frameworks: []
iOS Libraries: []
iOS local Frameworks: []
Libraries: ['/Users/bintuharwani/Desktop/helloworld/kivy-ios/dist/lib/libfreetype.a']
Sources to link: []
-----
Analysis of /Users/bintuharwani/Desktop/helloworld/kivy-ios/ioskivyapp-ios/ioskivyapp.xcodeproj/project.pbxproj
Ensure /Users/bintuharwani/Desktop/helloworld/kivy-ios/dist/lib/libfreetype.a is in the project
--
Project directory : ioskivyapp-ios
XCode project      : ioskivyapp-ios/ioskivyapp.xcodeproj
Bintus-MacBook-Pro:kivy-ios bintuharwani$ ls
LICENSE          build          ioskivyapp-ios  toolchain.py    tools
Bintus-MacBook-Pro:kivy-ios bintuharwani$ open ioskivyapp-ios/ioskivyapp.xcodeproj
```

```
ioskivyapp-ios — bash — 80x24
Bintus-MacBook-Pro:ioskivyapp-ios bintuharwani$ ls
LaunchImages      bridge.m          ioskivyapp-Info.plist
YourApp           icon.png         ioskivyapp.xcodeproj
bridge.h          ioskivyapp       main.m
Bintus-MacBook-Pro:ioskivyapp-ios bintuharwani$
```



Index