

# Chapter 1: Setting Up OpenGL

Latest Release: 2.1.0



## The OpenGL Extension Wrangler Library

The OpenGL Extension Wrangler Library (GLEW) is a cross-platform open-source C/C++ extension loading library. GLEW provides efficient run-time mechanisms for determining which OpenGL extensions are supported on the target platform. OpenGL core and extension functionality is exposed in a single header file. GLEW has been tested on a variety of operating systems, including Windows, Linux, Mac OS X, FreeBSD, Irix, and Solaris.

**Downloads**

GLEW is distributed as source and precompiled binaries. The latest release is 2.1.0[07-31-17]:

Source	<a href="#">ZIP</a>   <a href="#">TGZ</a>
Binaries	<a href="#">Windows 32-bit and 64-bit</a>

An up-to-date copy is also available using git:

- github

```
git clone https://github.com/nigels-com/glew.git glew
```

**Supported Extensions**

The latest release contains support for OpenGL 4.6, compatibility and forward-compatible contexts and the following extensions:

- OpenGL extensions
- WGL extensions
- GLX extensions

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Last Update: 07-31-17



# GLFW

Documentation [Download](#) Community

## Download

The current version is **3.2.1**, which was released on **August 18, 2016**. See the [version history](#) for a list of changes.

### Source package

This package contains the complete source code, CMake build files, [documentation](#), examples and test programs. It is the recommended download for all platforms and offers the most control.

The latest version of the source code, including tags for all releases, is always available in our Git repository.

**Windows pre-compiled binaries**

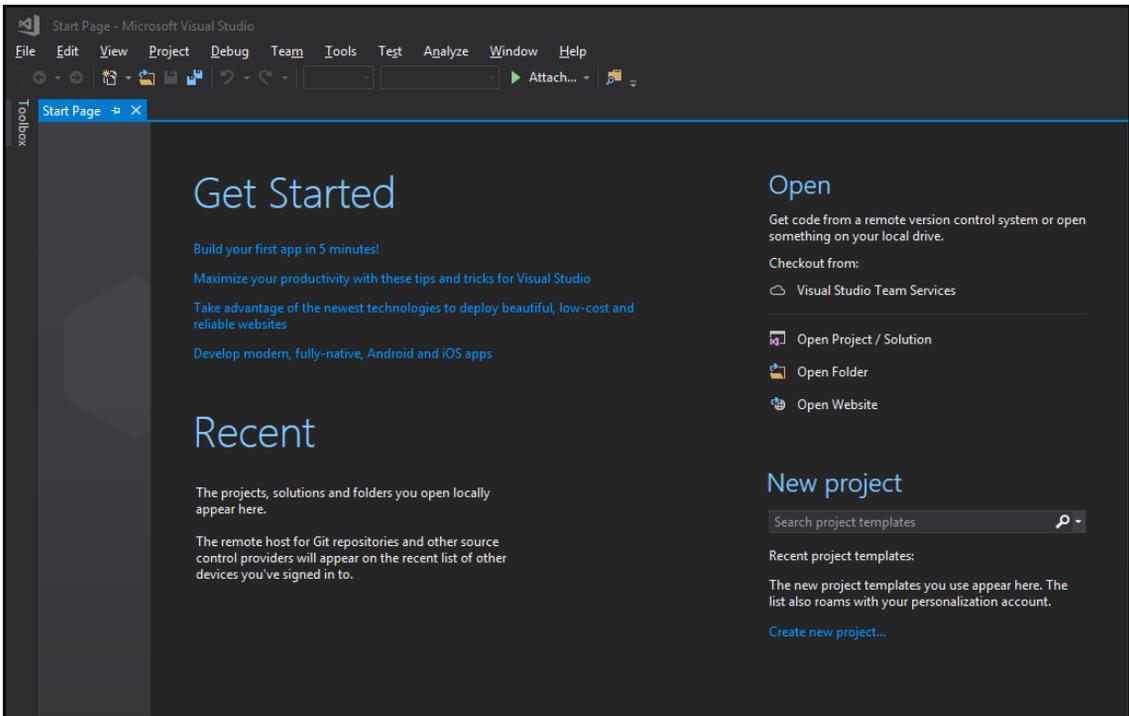
These packages contain complete GLFW header file, [documentation](#) and release mode DLL and static library binaries for Visual C++ 2010 (32-bit only), Visual C++ 2012, Visual C++ 2013, Visual C++ 2015, MinGW (32-bit only) and MinGW-w64.

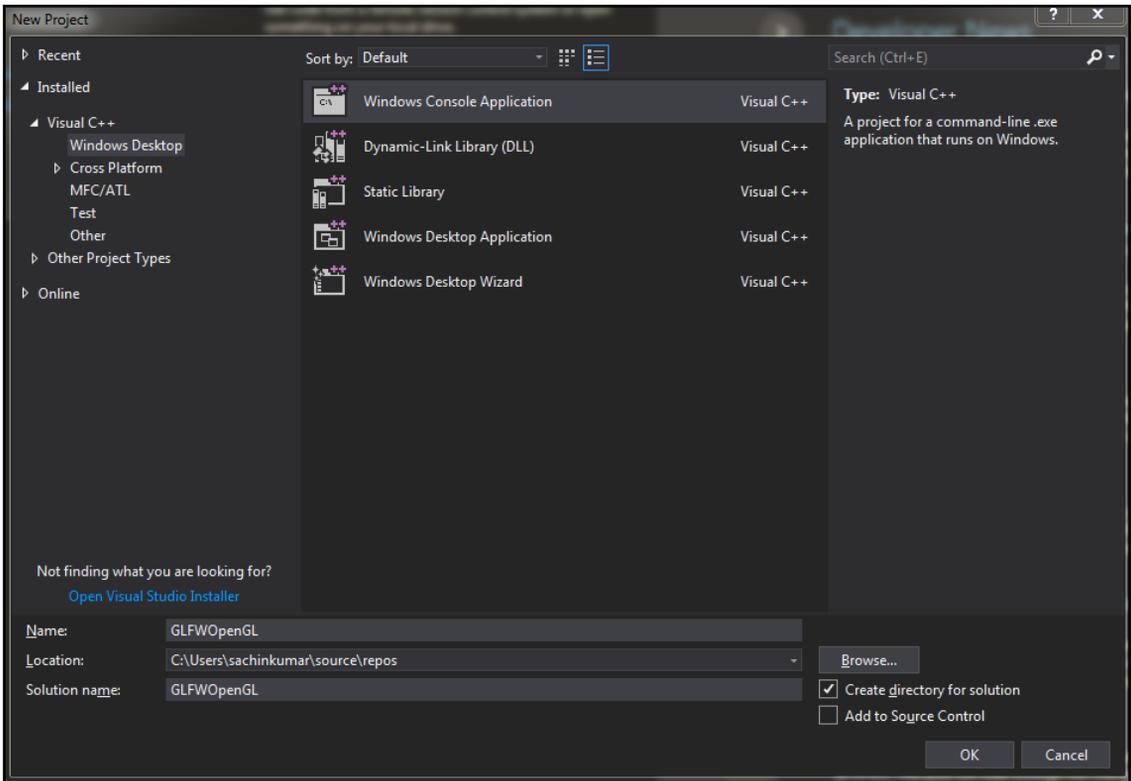
[Source package](#)

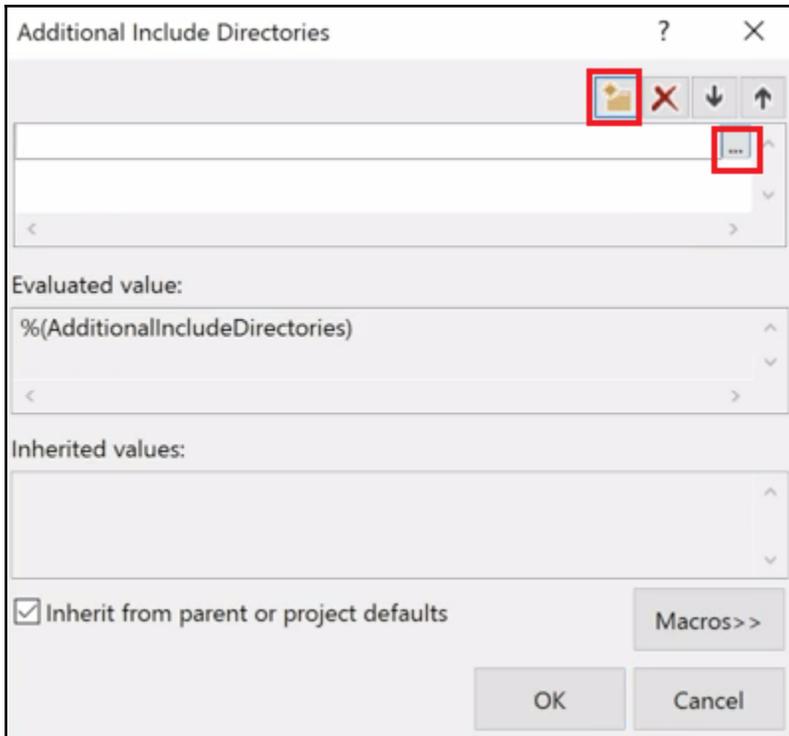
[GitHub repository](#)

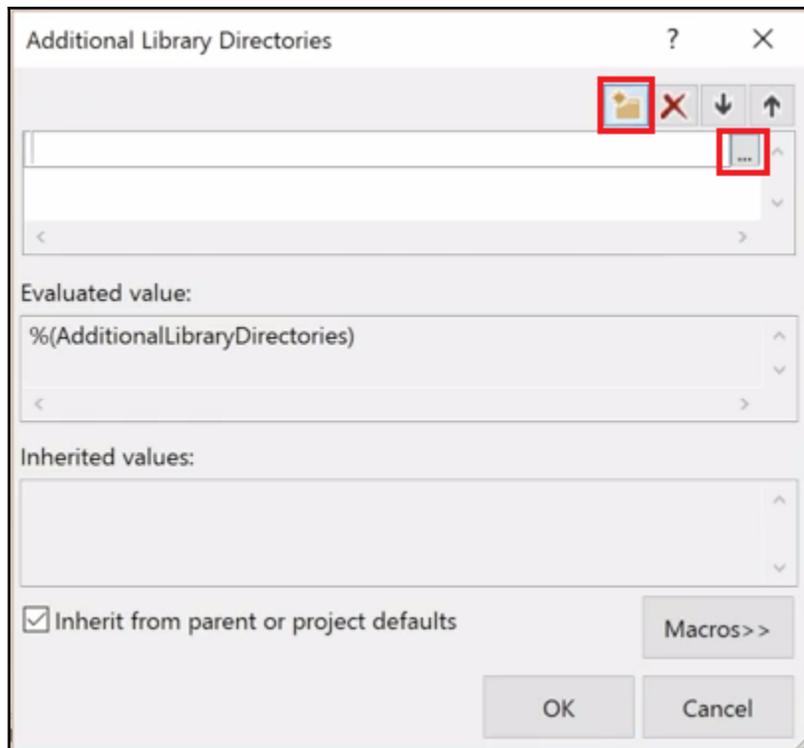
[32-bit Windows binaries](#)

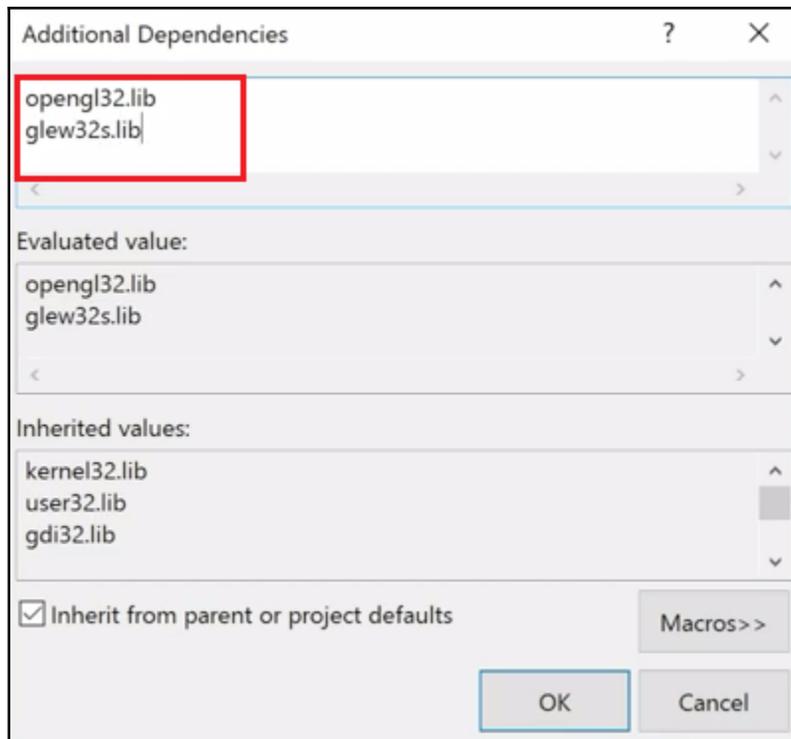
[64-bit Windows binaries](#)

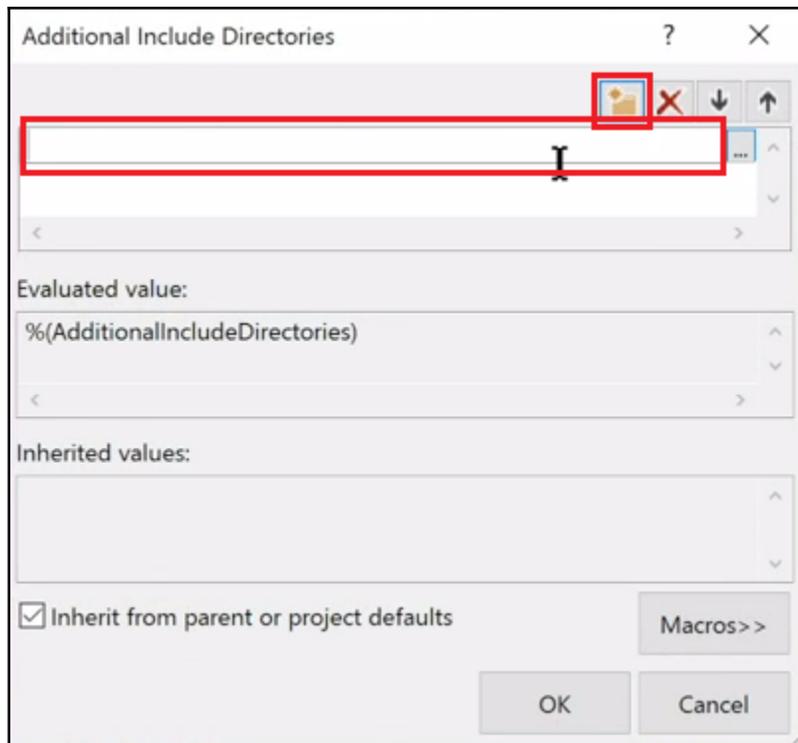


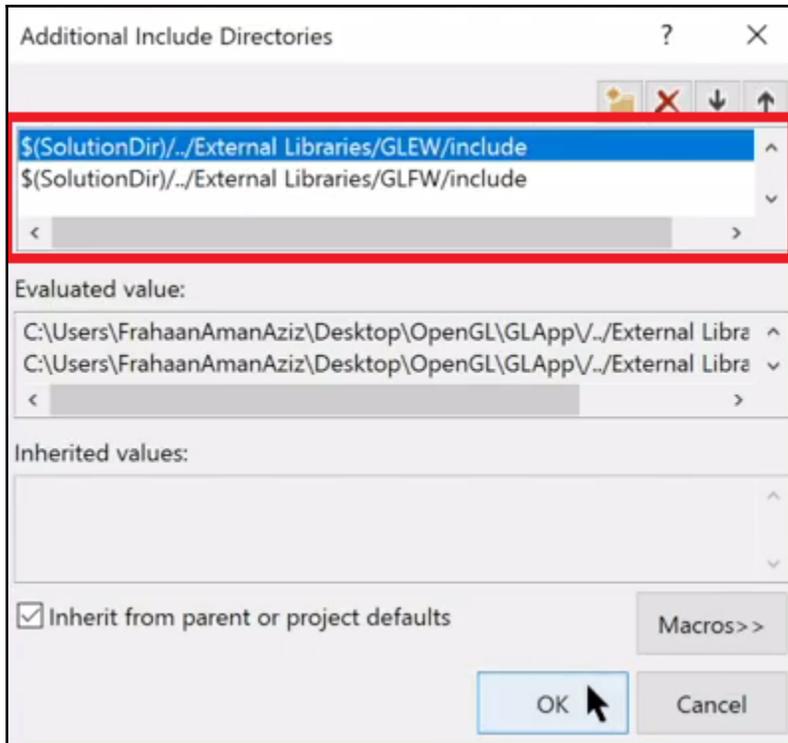


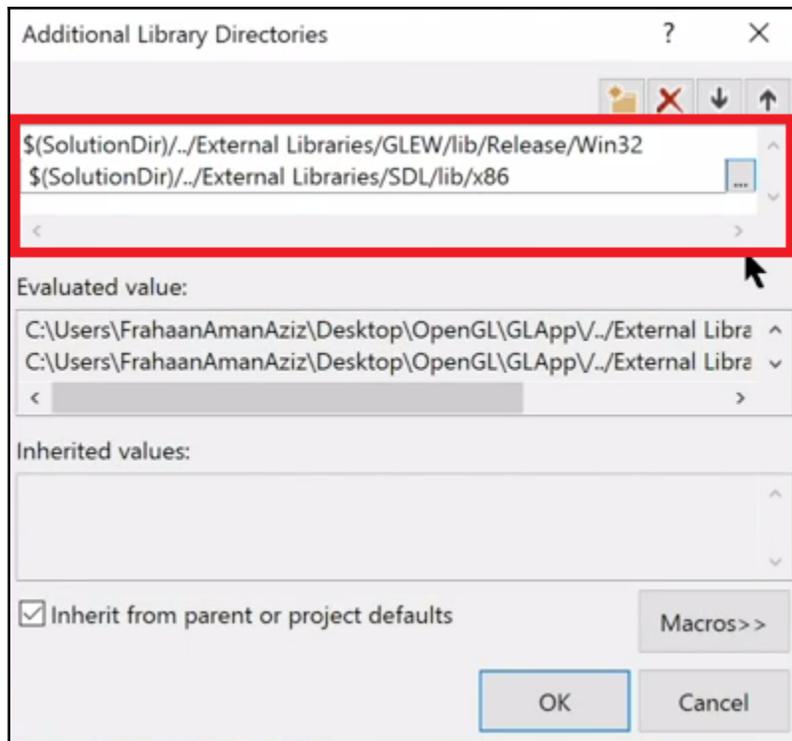














# Homebrew

The missing package manager for macOS

English ▾

## Install Homebrew

```
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

Paste that at a Terminal prompt.

The script explains what it will do and then pauses before it does it. There are more installation options [here](#) (required for OS X Lion 10.7 and below).

Choose options for your new project:

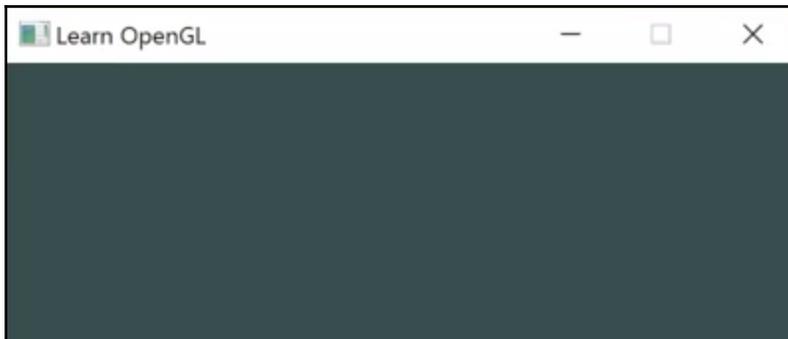
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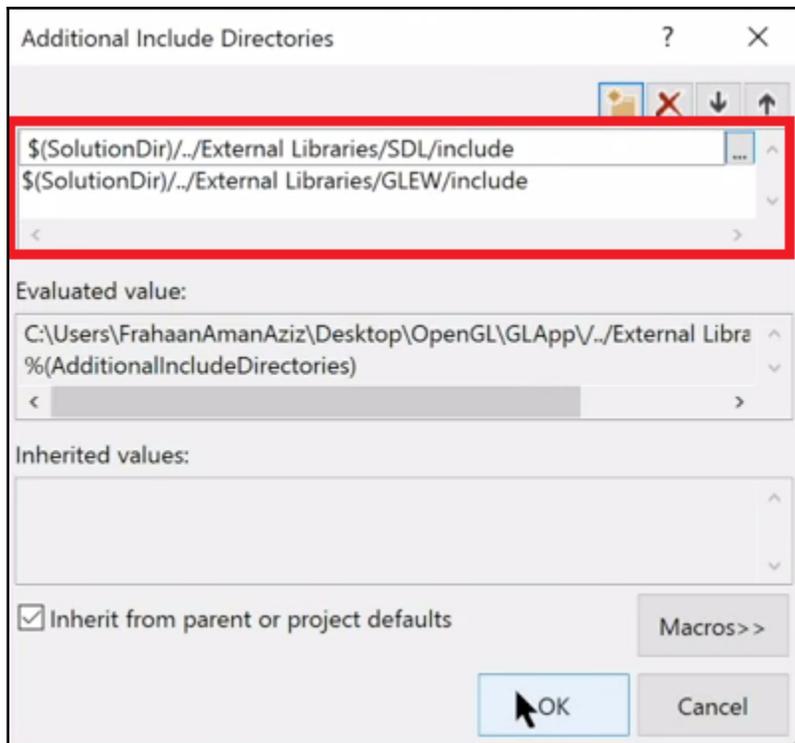
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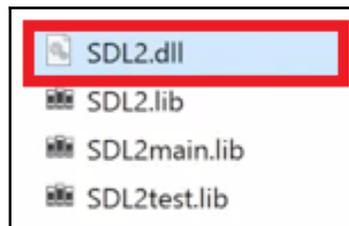
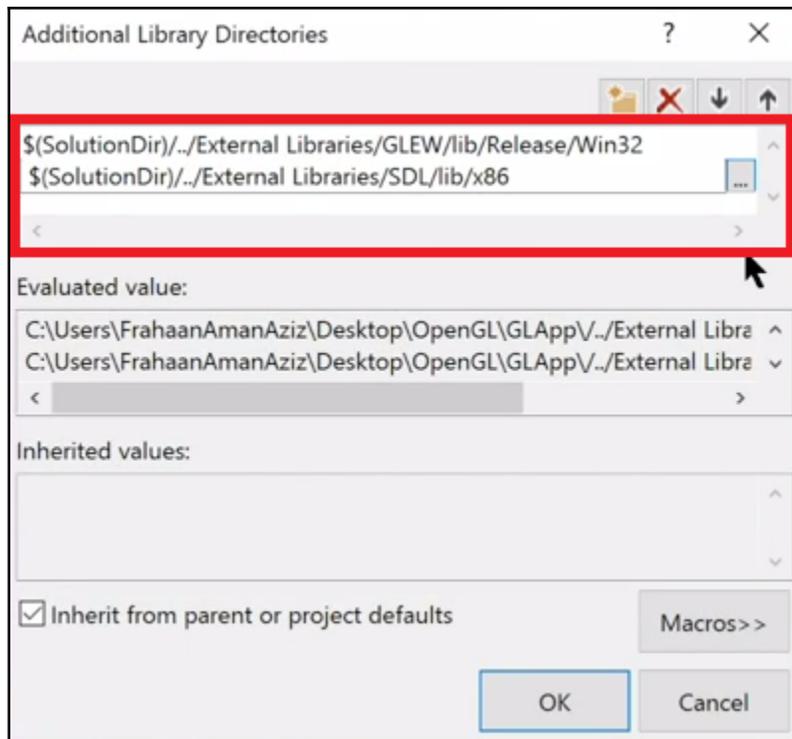
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Choose options for your new project:

Product Name:

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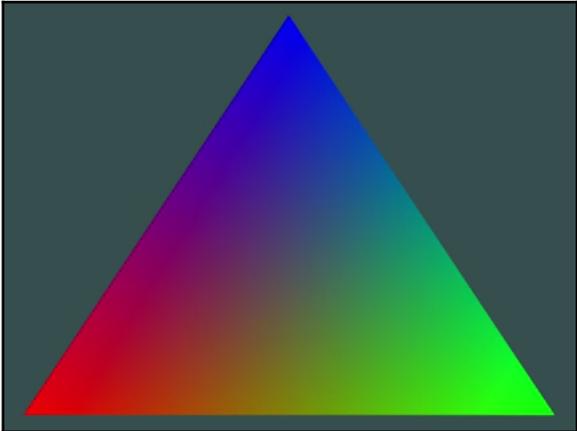
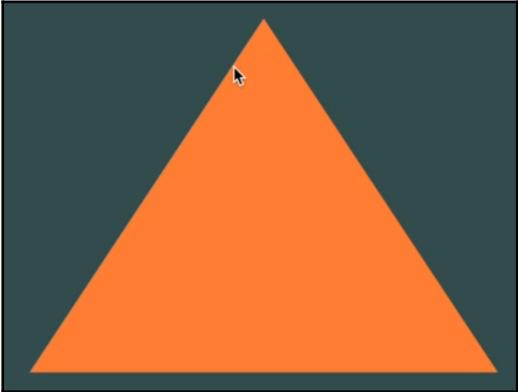
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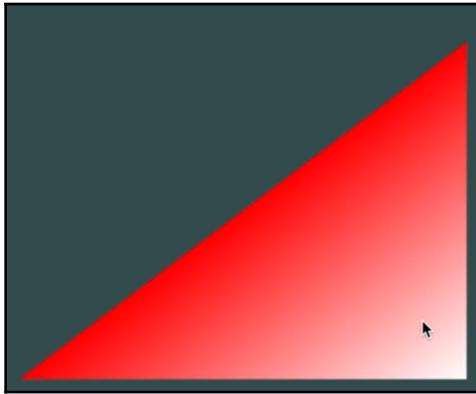
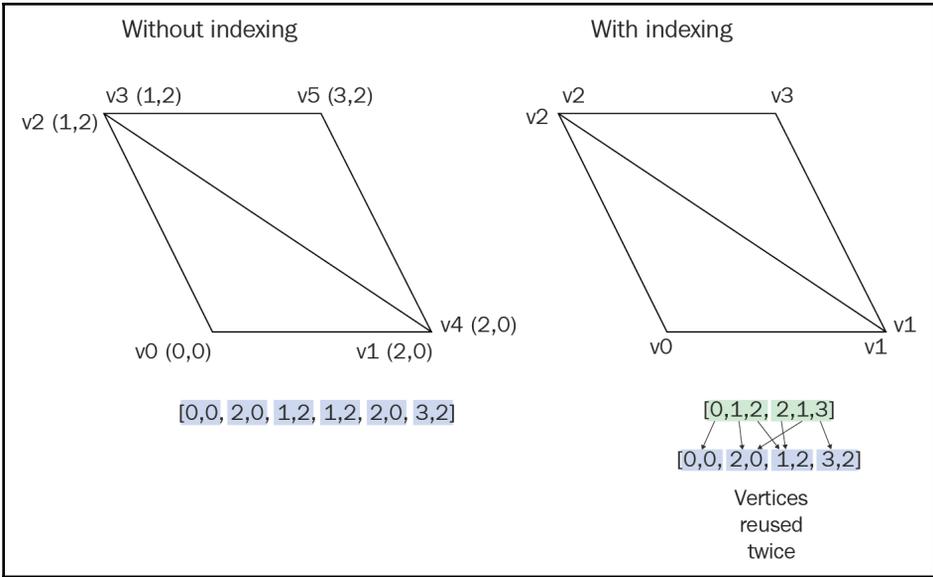
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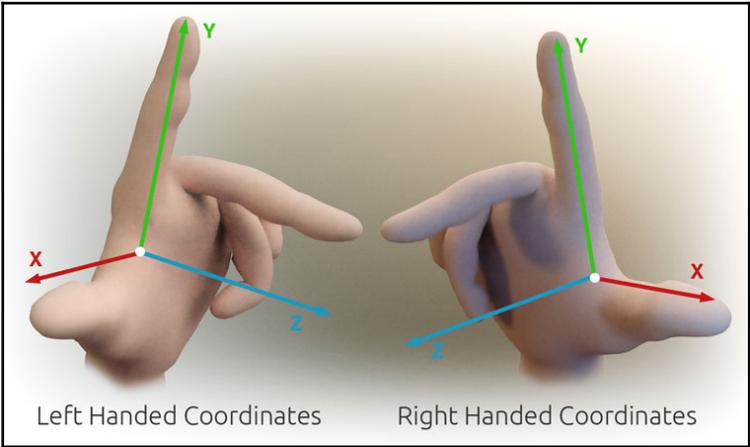
# Chapter 2: Drawing Shapes and Applying Textures

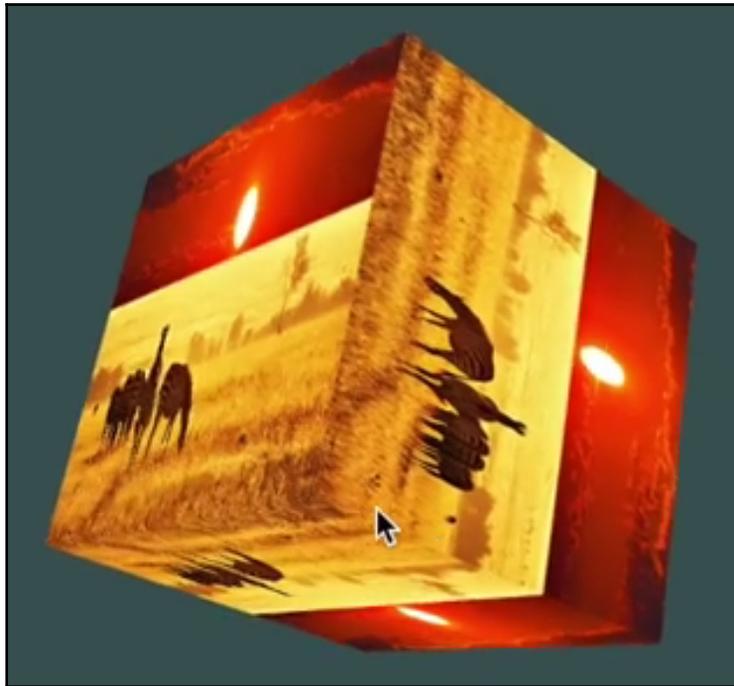
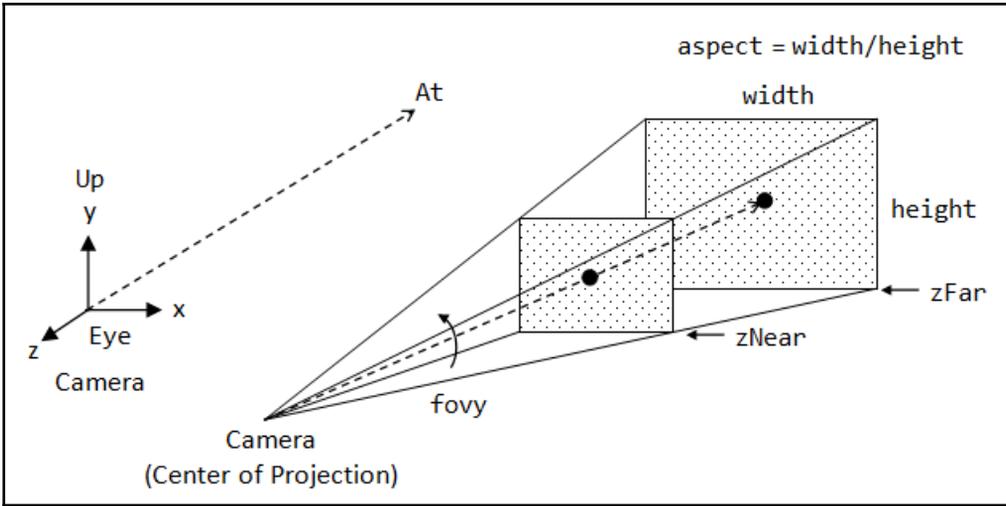


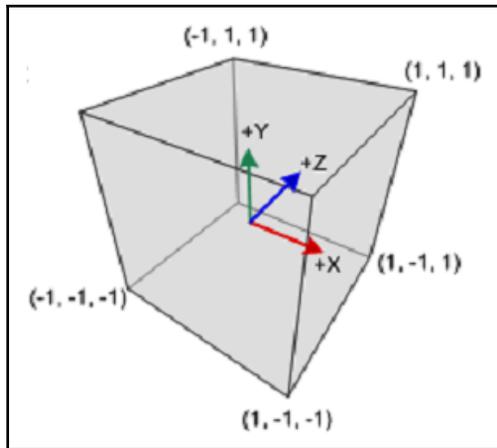


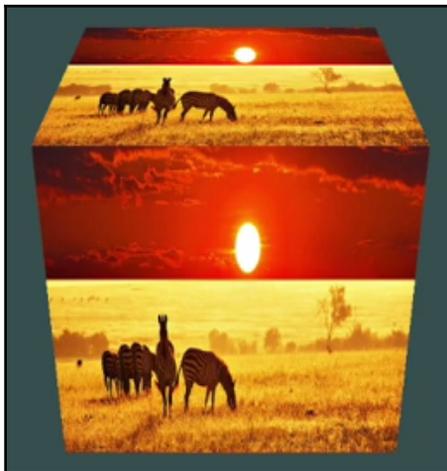


# Chapter 3: Transformations, Projections, and Camera

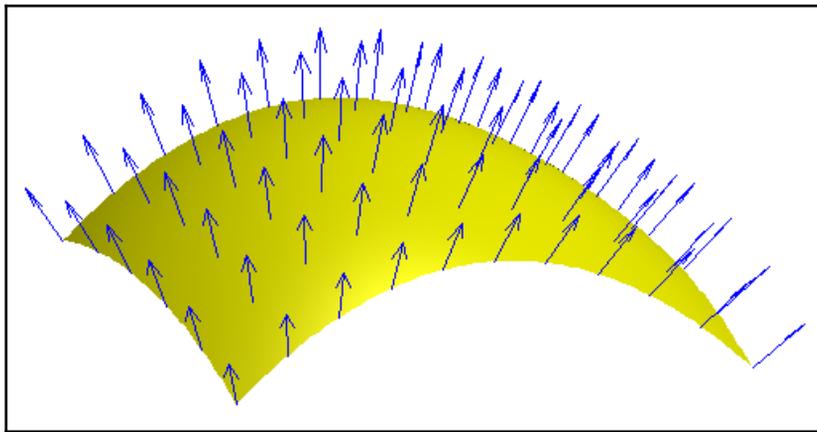
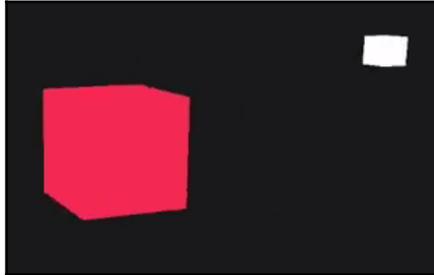


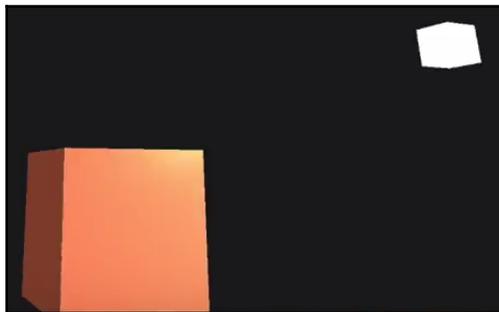
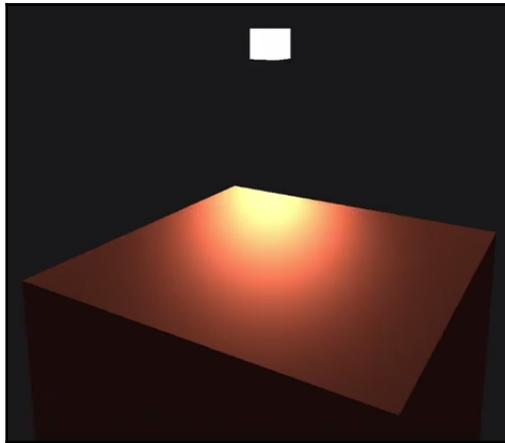
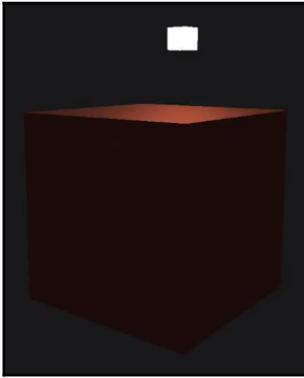


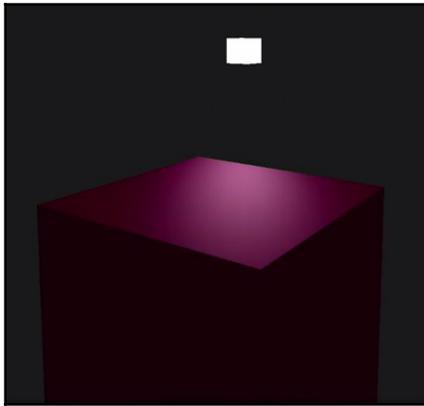
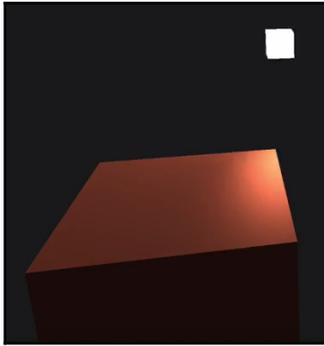


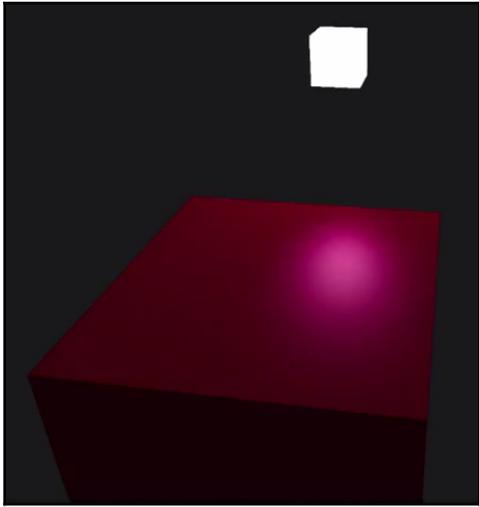


# Chapter 4: Effects of lighting, Materials and Lightmaps



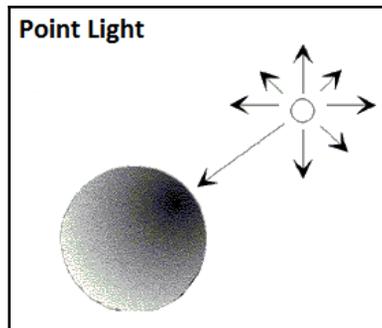
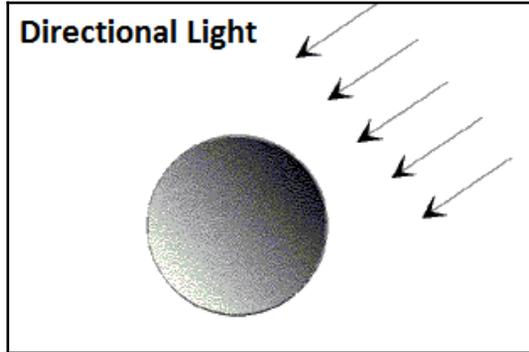


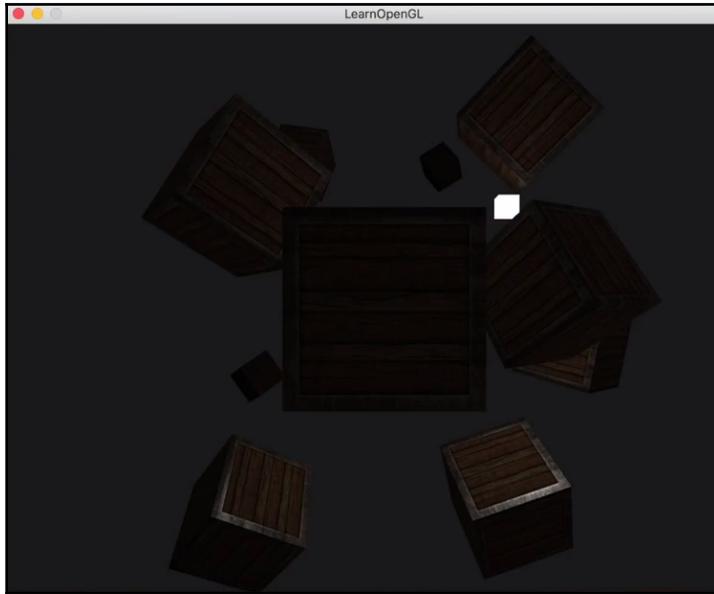
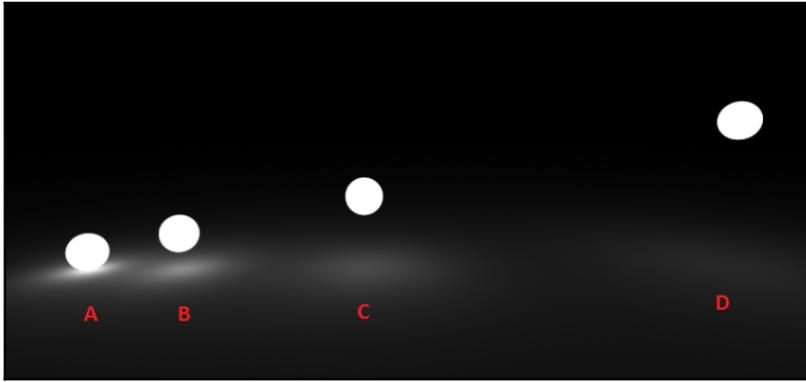


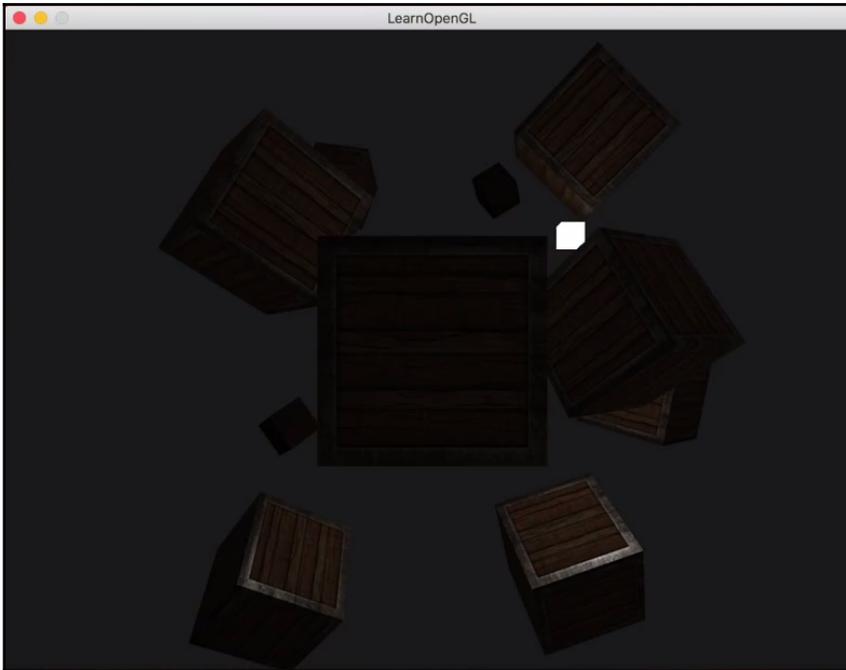
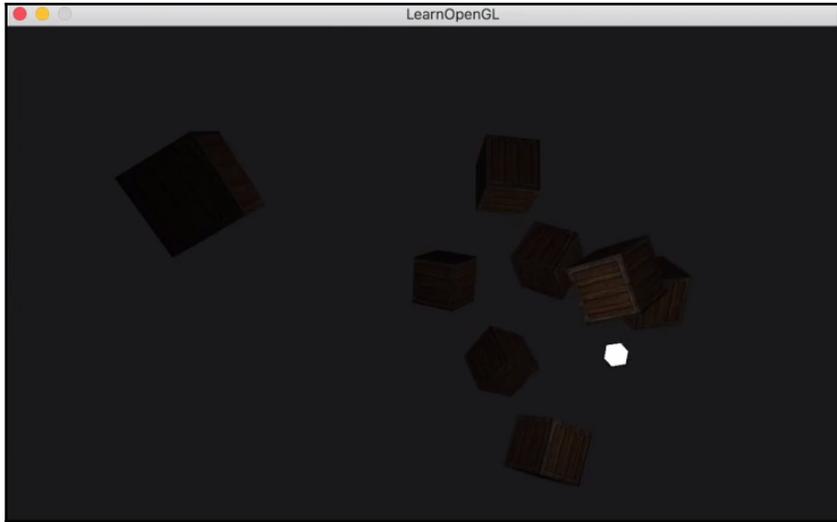


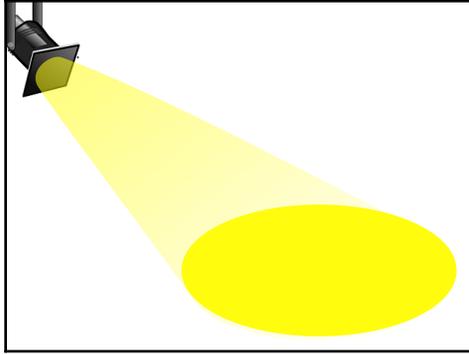


# Chapter 5: Types of light sources and combining of lights



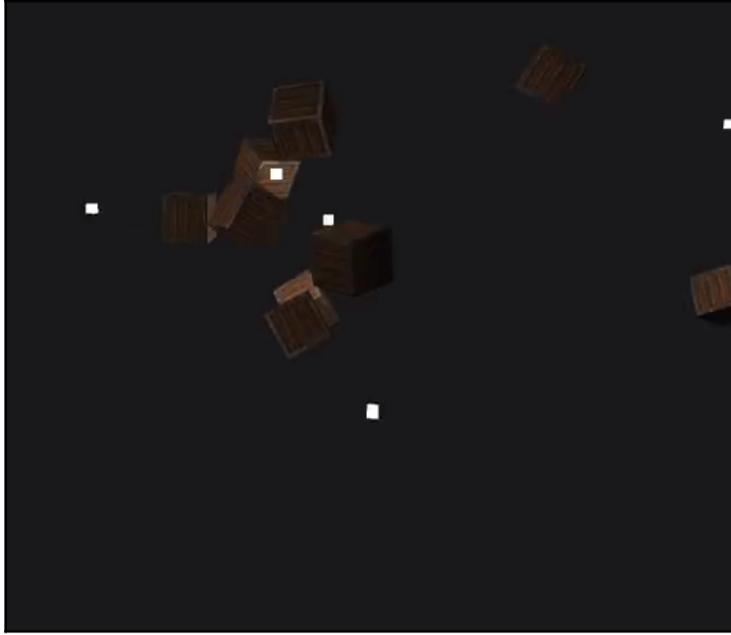












## Chapter 6: Implementing a Skybox Using a Cubemap



## Chapter 7: Model Loading

# The Open-Asset-Importer-Lib

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📅 Veröffentlicht: 16. Januar 2018  
👁️ Zugriffe: 25920



## The latest RELEASE

**assimp 4.1.0:** released December 2017  
[Go to Download Page \( source only \)](#)

Snapshot of the latest source:  
[Get the sourcecode](#)

## Older releases:

**assimp 4.0.1:** released July 2017  
[Go to Download Page \( source only \)](#)

**assimp 3.3.1:** released July 2016  
[Go to Download Page \( source / installer for windows \)](#)

**assimp 3.3:** released July 2016  
[Go to Download Page \( source only \)](#)

Binary distributions:

Platform	Files
Windows win64-x64 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b>	<a href="#">cmake-3.12.1-win64-x64.msi</a>
Windows win64-x64 ZIP	<a href="#">cmake-3.12.1-win64-x64.zip</a>
Windows win32-x86 Installer: <b>Installer tool has changed. Uninstall CMake 3.4 or lower first!</b>	<a href="#">cmake-3.12.1-win32-x86.msi</a>
Windows win32-x86 ZIP	<a href="#">cmake-3.12.1-win32-x86.zip</a>

```
C:\Users\FrahaanAmanAziz>cd C:\Users\FrahaanAmanAziz\Desktop\ASSIMP  
build_
```

```
C:\Users\FrahaanAmanAziz>cd C:\Users\FrahaanAmanAziz\Desktop\ASSIMP  
\build
```

```
C:\Users\FrahaanAmanAziz\Desktop\ASSIMP\assimp-3.3.1\build>
```

