II. Direct3D Foundations6. Drawing in Direct3D

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Useful Reference (1)

- Microsoft directX samples
 - https://github.com/microsoft/DirectX-Graphics-Samples/
- 3D game engine programming
 - DirectX12
 - https://www.3dgep.com/category/graphics-programming/directx/directx-12/
 - Source code
 - https://github.com/jpvanoosten/LearningDirectX12/tree/v0.0.4
 - cmake_minimum_required(VERSION 3.12.0)
 - https://cmake.org/download/ → Windows x64 Installer
 - Make solution: MakeVS.bat

```
@ECHO OFF
```

```
SET CMAKE="cmake.exe"

SET CMAKE_GENERATOR="Visual Studio 17 2022"

SET CMAKE_BINARY_DIR=build_vs2022
```

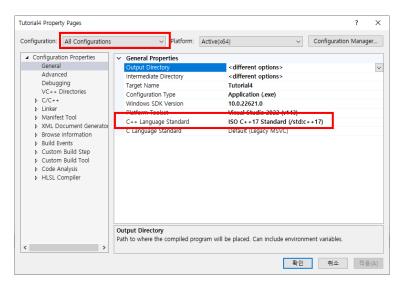
```
MKDIR %CMAKE_BINARY_DIR% 2>NUL PUSHD %CMAKE_BINARY_DIR%
```

%CMAKE% -G %CMAKE_GENERATOR% -Wno-dev %~dp0

./build_vs2022/LearningDirectX12.sln

Useful Reference (2)

• C++ Language Standard: C++17 or C++ 20 (for all projects and all configurations)



Dx12LibPCH.h (DX12Lib Project)

```
namespace fs = std::experimental::filesystem;

> namespace fs = std::filesystem;
```

Useful Reference (3)

 Tutorial2 // Tutorial2.cpp void Tutorial2::OnRender(RenderEventArgs& e) { if (!m ContentLoaded) return; // insertion Tutorial3 & Tutorial4 • // Tutorial3.h & Tutorial4.h class Tutorialn : public Game{ // ... bool m ContentLoaded; }; // Tutorial3.cpp & Tutorial4.cpp Tutorialn::Tutorialn(/*...*/):/*...*/,m ContentLoaded(false) bool Tutorialn::LoadContent() { // ... m ContentLoaded = true; return true; void Tutorialn::UnloadContent() {m ContentLoaded=false;} void Tutorialn::OnRender(RenderEventArgs& e) { if (!m ContentLoaded) return; // ...

Useful Reference (4)

