**vsCode:**

1. Download and install [Intel oneApi base toolkit](https://www.intel.com/content/www/us/en/developer/tools/oneapi/base-toolkit-download.html?operatingsystem=windows&windows-install-type=online):
2. Install Extensions:  
     
   * CMake Tools(Microsoft)
   * Extension Pack for Intel Software Developer Tools (intel)
   * C/C++ Extension Pack (Microsoft)
3. Create a new project:  
     
   * Open the SYCL DLL project
4. Initialize Environment Variables:  
     
   * Ctrl+Shift+P -> Intel oneAPI: Initialize environment variables
5. Generate Tasks:  
     
   * Ctrl+Shift+P -> Intel oneAPI: Generate tasks
6. Run All Tasks:  
     
   * Terminal -> Run Task -> Select All
7. Navigate to Build Directory:  
     
   * cd build
8. Run CMake with NMake Makefiles:  
     
   * cmake -G "NMake Makefiles" .. -DUSM=1

                   If you got an error delete build/CMakeCache file and try again.

      9. Build the project

* nmake cpu-gpu //this is for the exe
* nmake cpu-gpuDLL// this is for the DLL

      10.  Run the Executable:

* ./cpp-file-name.exe

**\*When you want to run the project after the change, repeat instructions 9 and 10.**

1. Create a new project:  
     
   * Open the Sample Cmake project
2. Initialize Environment Variables:

Ctrl+Shift+P -> Intel oneAPI: Initialize environment variables

1. Create build folder

Mkdir build

1. Navigate to Build Directory:  
   cd build
2. Cmake

cmake ..

1. Cmake build

cmake –build .

      7.  Run the Executable:\*

* ./cpp-file-name.exe
* \*could be you're going to need to do this ./debug/cpp-file-name.exe