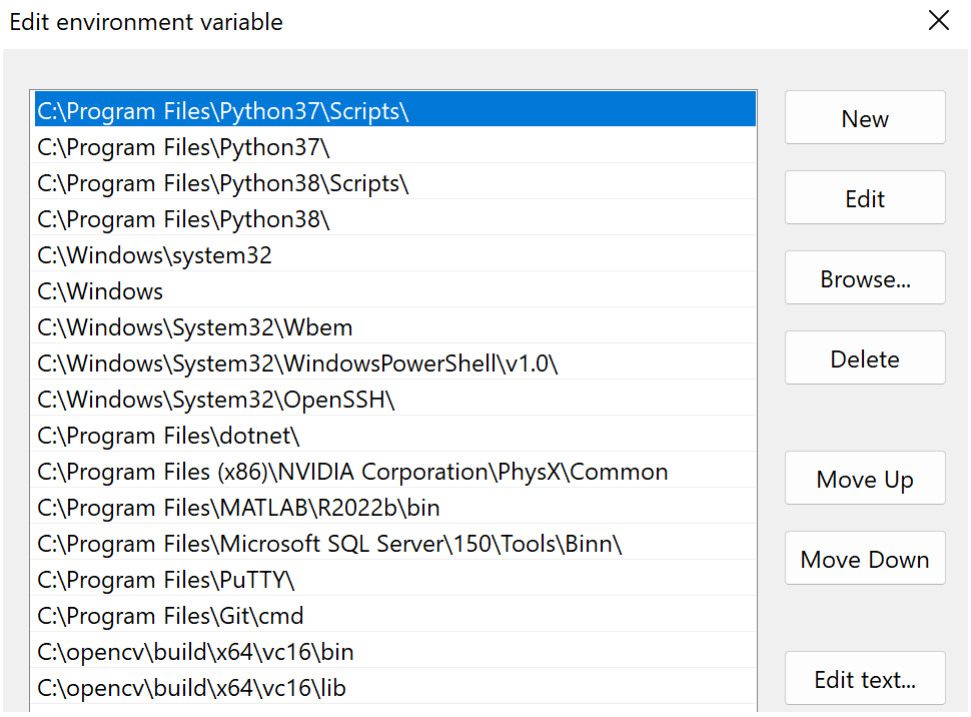
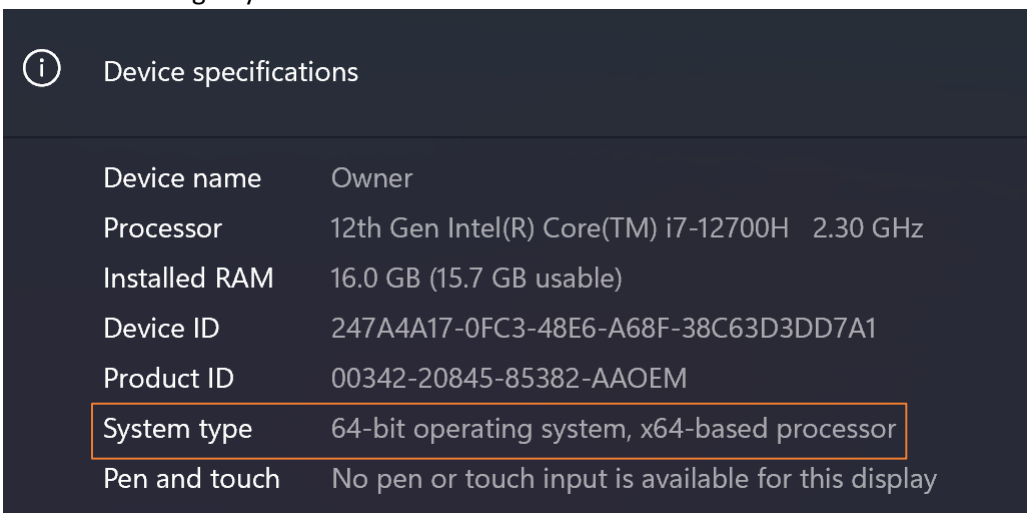
Installment Steps for Windows

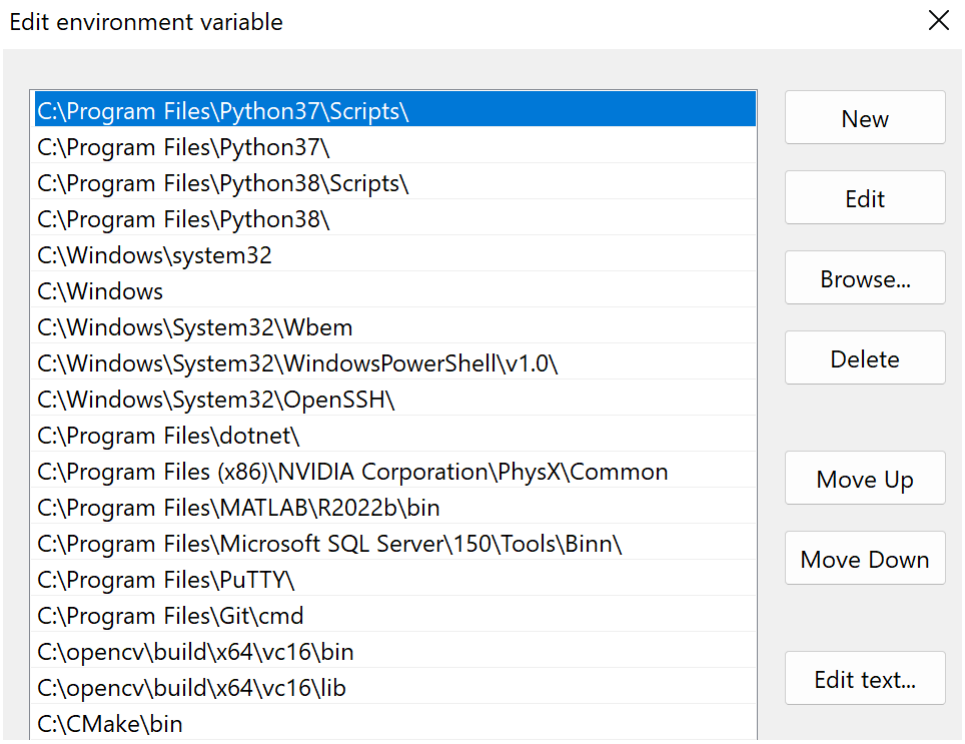
1. OpenCV
   -Install the latest version of opencv for windows from https://opencv.org/releases/
   -copy the bin and lib path to environment path as shown:



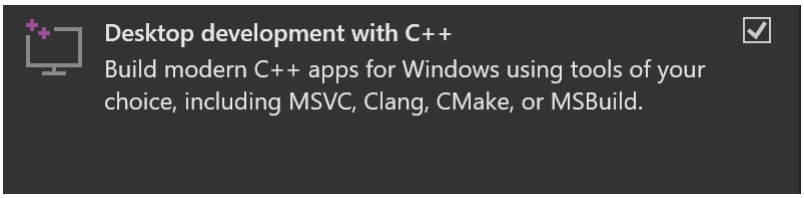
2. CMake
   -Install Windows x64 Installer from https://cmake.org/download/
   Note: make sure the system type is x64, you can check your system type from windows>settings>system>about



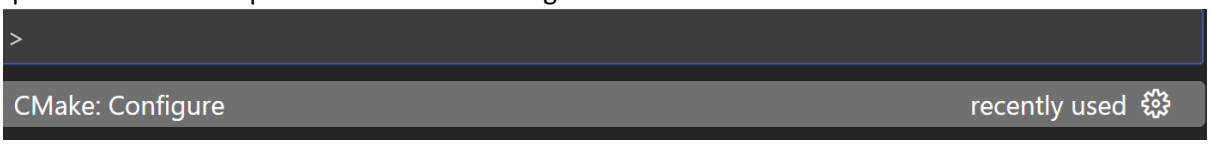
   -copy the bin path of cmake to the environment



3. Install Visual Studio Community from https://visualstudio.microsoft.com/tr/downloads/
   -when installing make sure to check the Desktop Development with C++ package



4. Install Visual Studio Code from https://code.visualstudio.com/download
   -when installed create a new project
   -press control+shift+p and select cmake:configure



   -Select the final compiler

Note: if visual studio community compilers does not show, check for visual studio updates, then press [scan for kits]

5. Downloading the code:

-download the folder from https://github.com/spmallick/learnopencv/tree/master/Object-Detection-using-YOLOv5-and-OpenCV-DNN-in-CPP-and-Python

-press file>open folder and select the code location

-make sure the full path to coco.names, sample.jpg and models are defined as seen:

```
ifstream ifs("C:/medtro/coco.names");
string line;

while (getline(ifs, line))
{
    class_list.push_back(line);
}

// Load image.
Mat frame;
frame = imread("C:/medtro/sample.jpg");

// Load model.
Net net;
net = readNet("C:/medtro/models/yolov5s.onnx");
```

6. If you are using Linux make sure your c++ compiler supports the library ‘dirent.h’. The file ‘Cpp.cpp’ could give an error if not.

7. When running the C++ code make sure you are in the release mode. To do that press control+shift+p and type >CMake: Select Variant and select release