

# OpenCV Installation On windows

## Download

Before heading to the instructions, please download the pre-compiled files below, and make sure you have MinGW working properly.

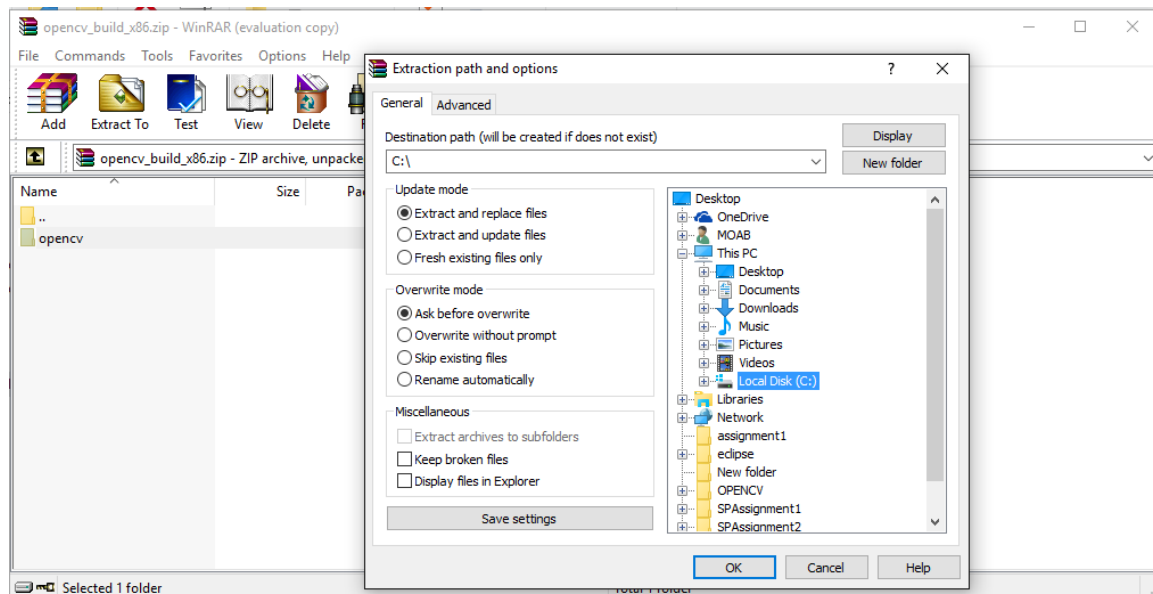
**NOTE** At any stage of the installation, make sure you turn of your Anti-Virus application.

<https://drive.google.com/open?id=0B08rNeG8F9OJZmxqOU3enpXTWs>

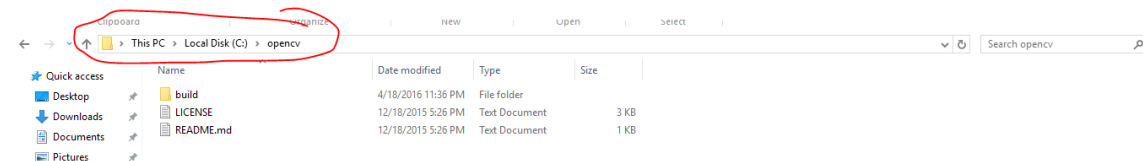
Please make sure you delete all the opencv directory.

## Step 1 – Extracting OPENCV

Extract the zip file **opencv\_build\_x86** into the C:/ directory.



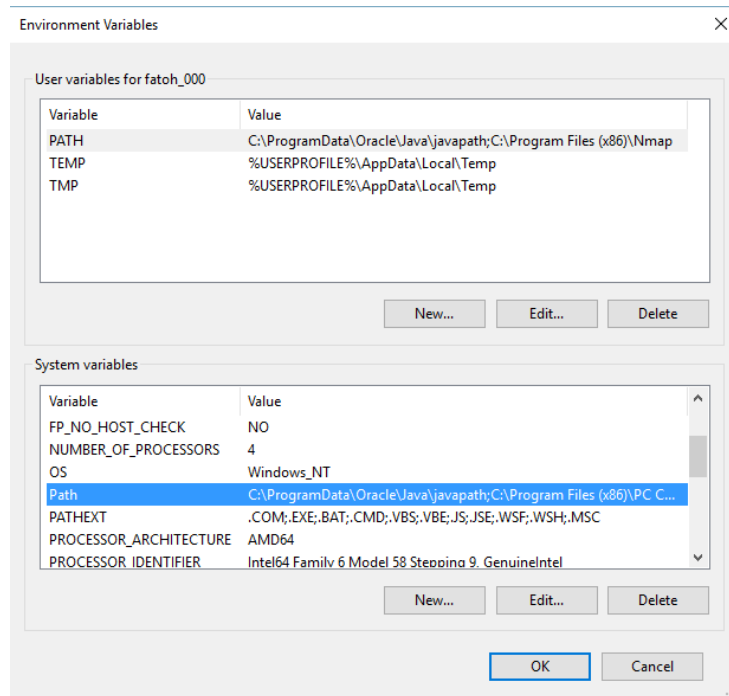
Make sure you have C:/opencv directory now.



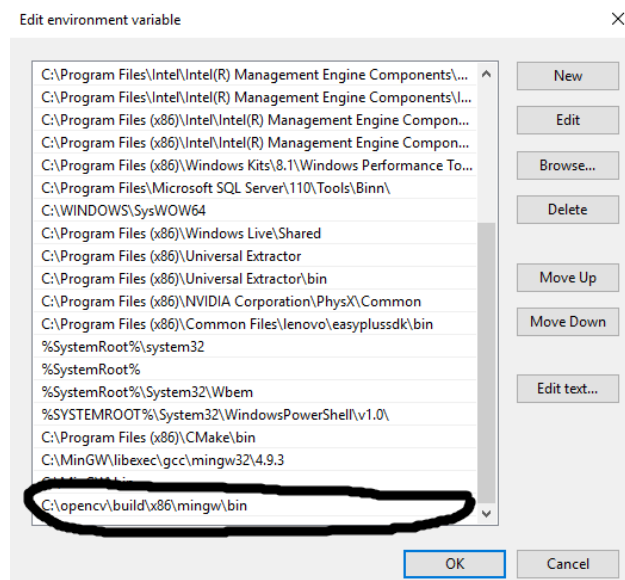
## Step 2 – Setting up the system path:

Go to “Control Panel → System and Security -> System -> Advanced system settings”

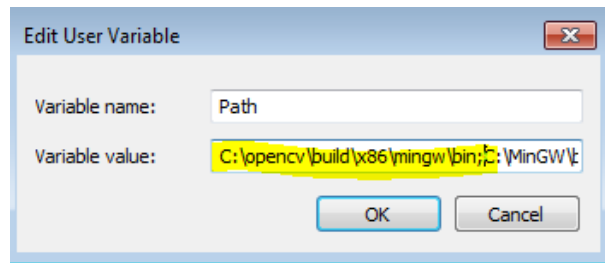
Click on environment variables (As we did in MinGW installation):



Choose the system variable “Path” and click on Edit. Then add the following directory to the path: “C:\opencv\build\x86\mingw\bin”

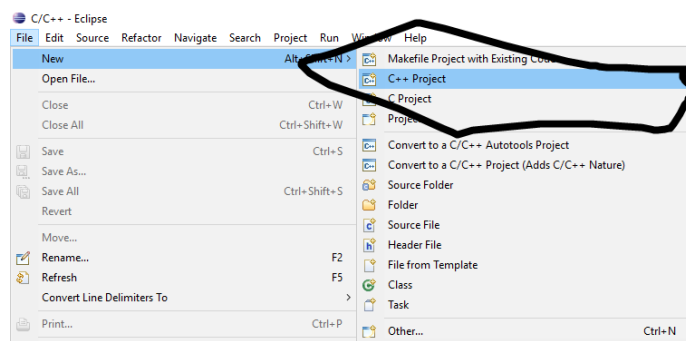


(In old windows versions you should add the string “C:\opencv\build\x86\mingw\bin;” at the beginning of the current path – See below):

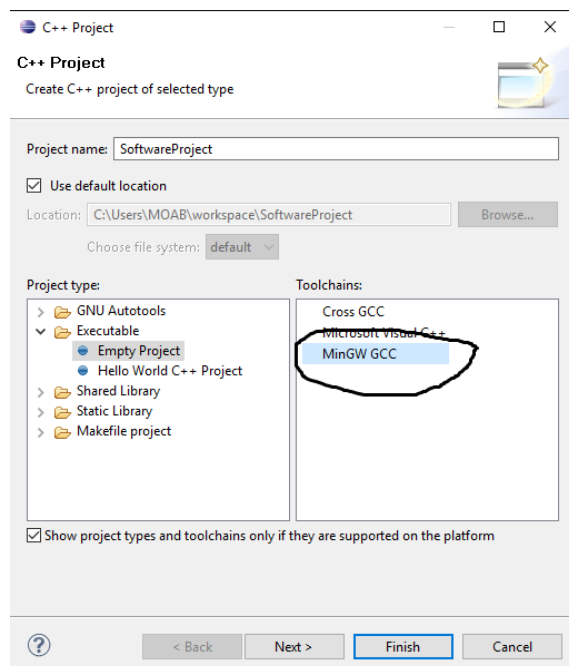


## Step 3 – Setting up eclipse project

Open a new empty **C++ project** in eclipse:



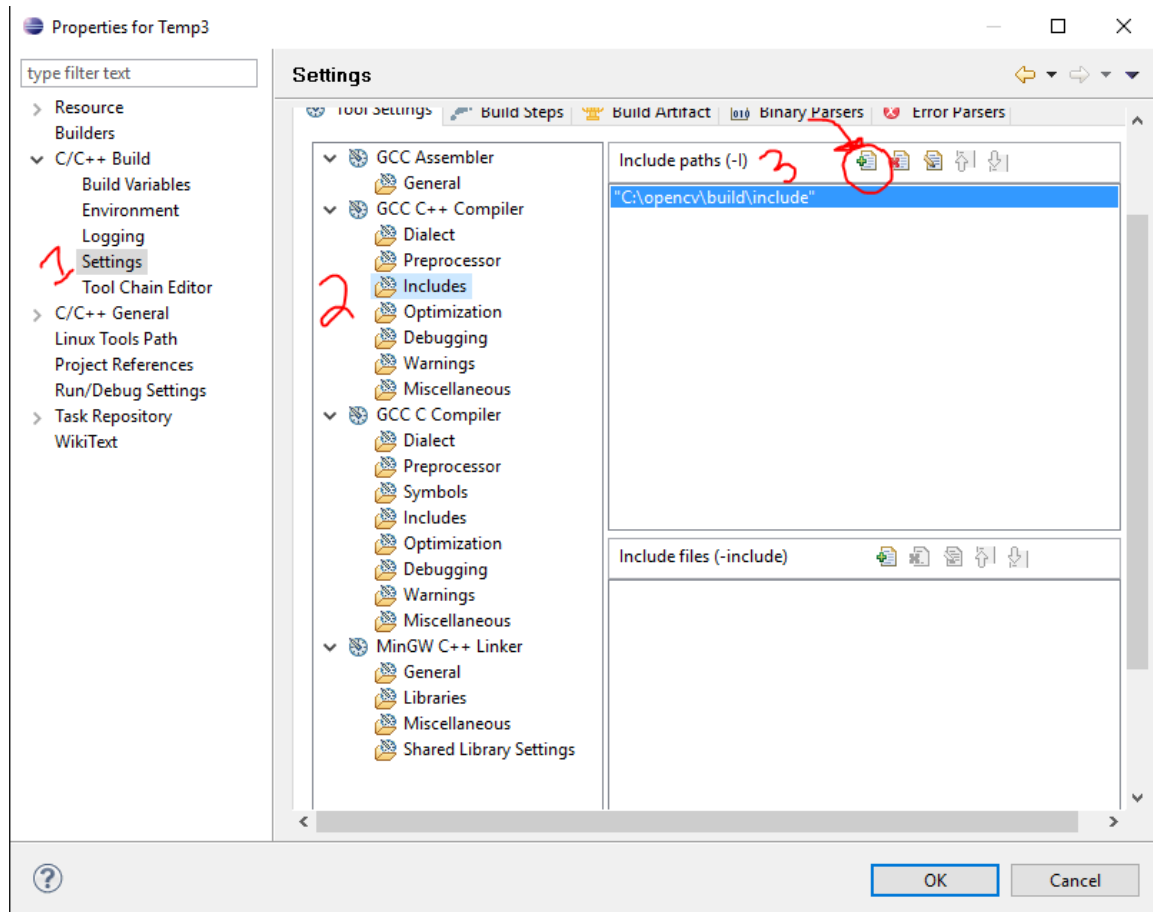
Don't forget to choose MINGW as a tool-chain:



Go to “Project -> Properties -> C/C++ Build -> Settings” And click on “Includes” as seen in the picture below:

Add (Click on 4 to do so):

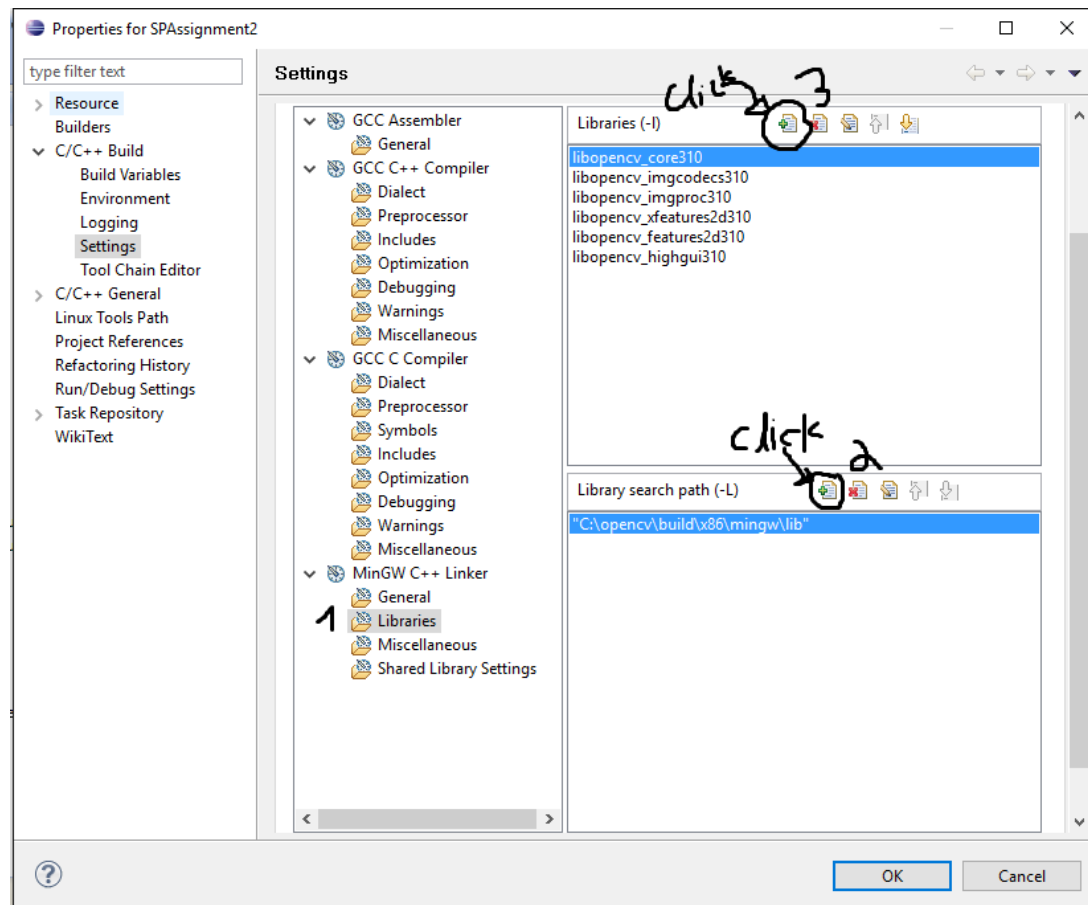
“C:\opencv\build\include”



Now got to MinGW C++ Linker:

Add: “C:\opencv\build\x86\mingw\lib” to the library path **(Marked in 2 in the picture below)**

Add: “libopencv\_core310”, “libopencv\_imgcodecs310”, “libopencv\_imgproc310”, “libopencv\_xfeatures2d310”, “libopencv\_features2d310”, “libopencv\_highgui310” as libraries. **(Marked in 3 in the picture below)**



Good luck