

# Installing environment required for the project

Nikhil Nandyala

A K S Teja

Basic languages like c++ and python must be installed.

Ubuntu 16.04.

Opencv must be installed

Installing Opencv : Use the following shell code to install opencv.

<https://drive.google.com/file/d/1lFeu-w74VFT5bjKUuszZPEADdKhJPYGW/view?usp=sharing>

Download the zip file in this link and extract the file Install-OpenCV-master. Execute the following commands which will run a shell which will install all the dependencies required for installing opencv. This file is available in github also. DO NOT Abort in between of installation and DO NOT change any files in this folder. This will install all the libraries of opencv,

-----  
----

```
$cd Install-OpenCV-master
```

```
$cd Ubuntu
```

```
$chmod +x *
```

```
$./opencv_latest.sh
```

-----  
-

TO check if opencv is installed, the following command outputs the version.

```
$pkg-config --modversion opencv
```

3.4.3

Install curl for giving inputs to a system.

```
$sudo apt-get install libcurl4-openssl-dev
```

---

While running the code if you get errors similar to this

```
//home/visual/anaconda3/lib/libQt5Core.so.5: undefined reference to
`ucnv_countAvailable_58'
//home/visual/anaconda3/lib/libQt5Core.so.5: undefined reference to
`ucal_openCountryTimeZones_58'
//home/visual/anaconda3/lib/libQt5Core.so.5: undefined reference to
`ucol_open_58'
//home/visual/anaconda3/lib/libQt5Core.so.5: undefined reference to
`ucnv_compareNames_58'
//home/visual/anaconda3/lib/libQt5Core.so.5: undefined reference to
`ucal_close_58'
```

Execute the following command. But sometimes your libQt path may be different so replace the above shown **red** marked path with the above **blue** marked path that will appear in your screen.

```
export LD_LIBRARY_PATH=//home/visual/anaconda3/lib/:$LD_LIBRARY_PATH
```

If the above steps are followed properly the libraries required for the code will be installed and we can compile the code successfully. If any other general issue arises use stackoverflow. For any specific errors contact email: 2015csb1005@iitrpr.ac.in

To check if all the required libraries are installed compile the program using the following program inside the project folder where the make file is.

```
$make clean
$make all
```

If it compiles successfully you can run the code.