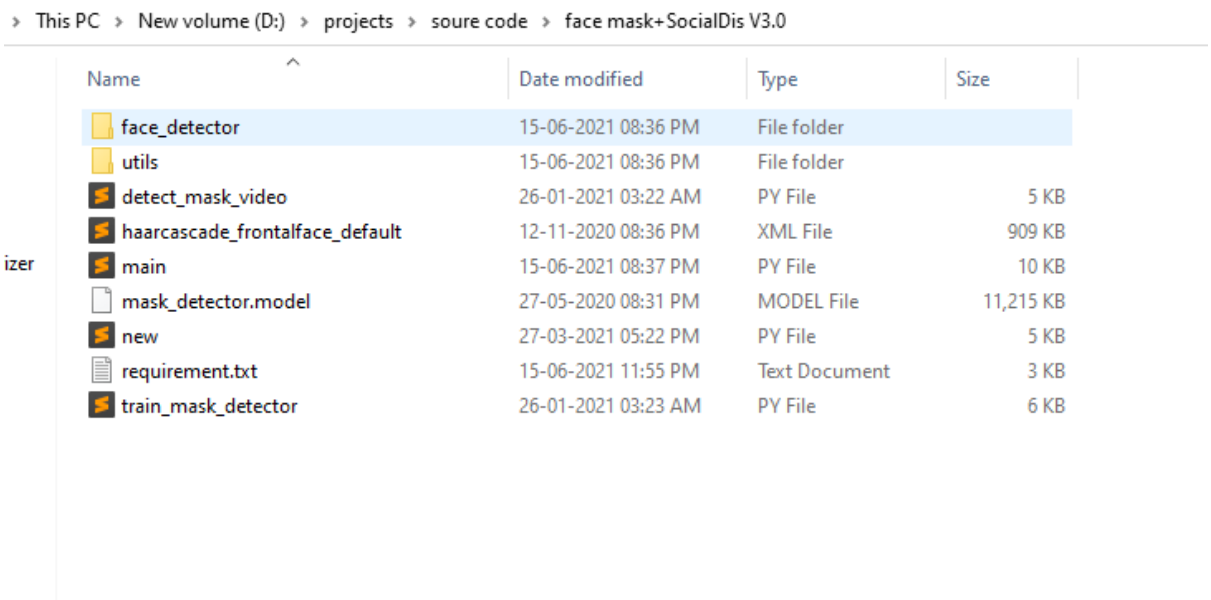
Face Mask and Social Distance Detection

This topic consists of social distancing & face mask detection for the events of coronavirus, alleviation in such pandemic can be solved by social distancing as well as putting on its face mask. The Covid-19 had a huge impact on different sectors in many countries and such impact caused problems to many people around the world. This small step of wearing a face mask as well as following social distancing would save lots of lives as the spread of the virus could be mitigated.

STEP 1 : DOWNLOAD THE SOURCE CODE from below button

Download Source Code

After successful unzip, folder structure will be look like as below



STEP 2 : DOWNLOAD MINICONDA FROM BELOW LINK

Download Miniconda

After downloading, double click on setup file and install

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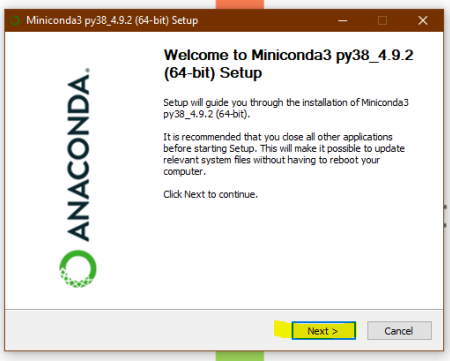

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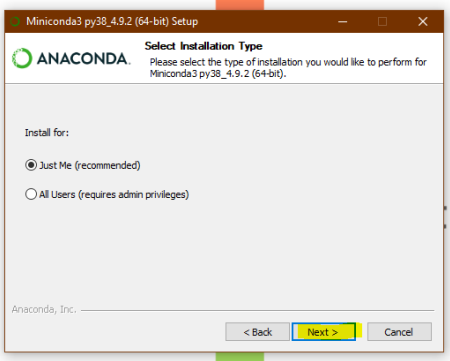
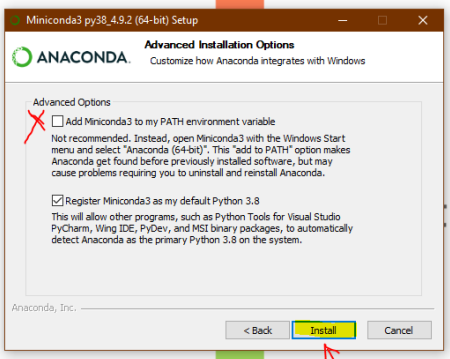
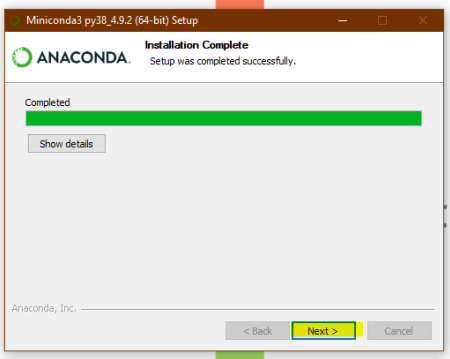


Do not tick the checkbox





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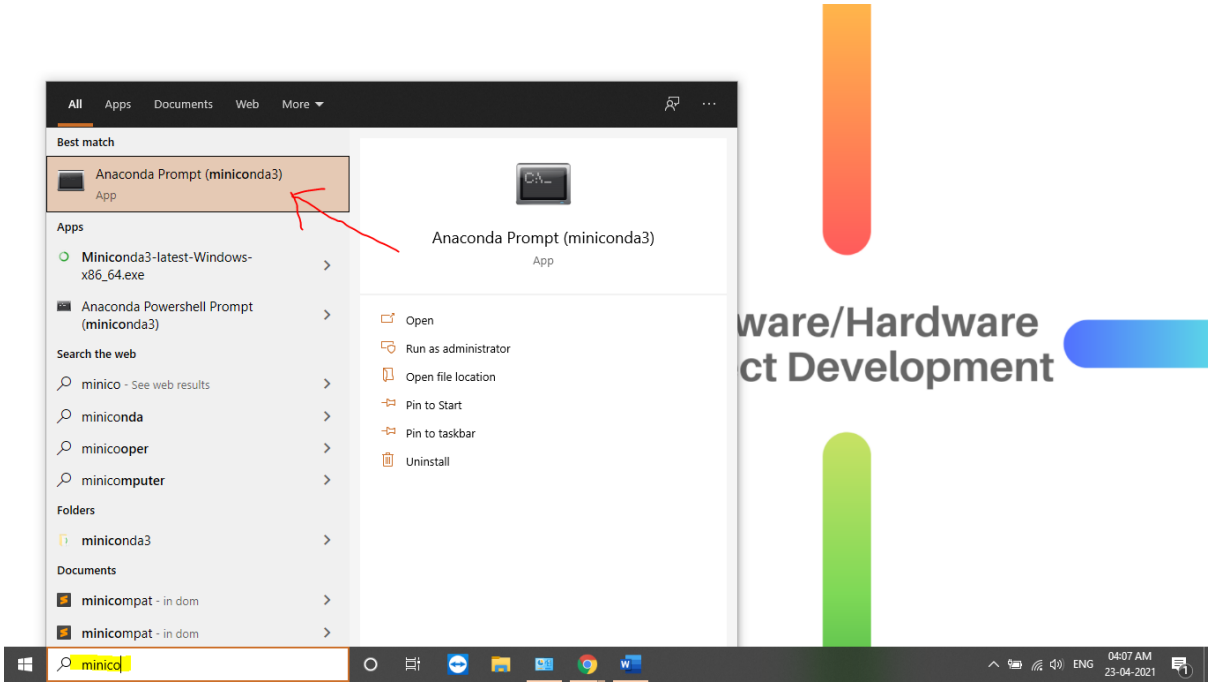
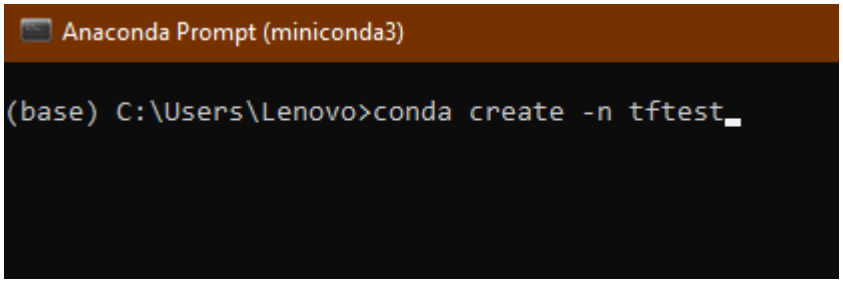
Step 3 : Launch Miniconda/Anaconda PROMPT and Navigate to the project folder



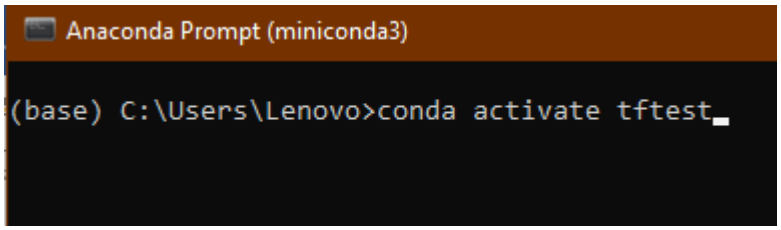
Enter commands one by one as shown below:

conda create -n tftest

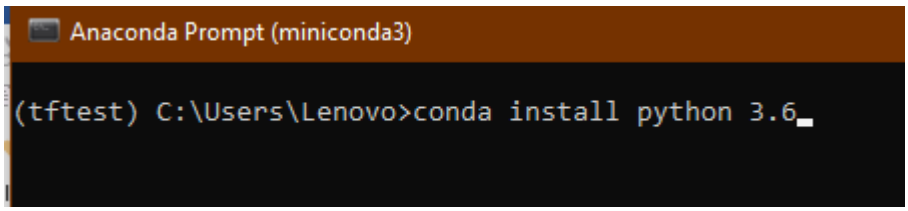


[after successful creation enter below command]

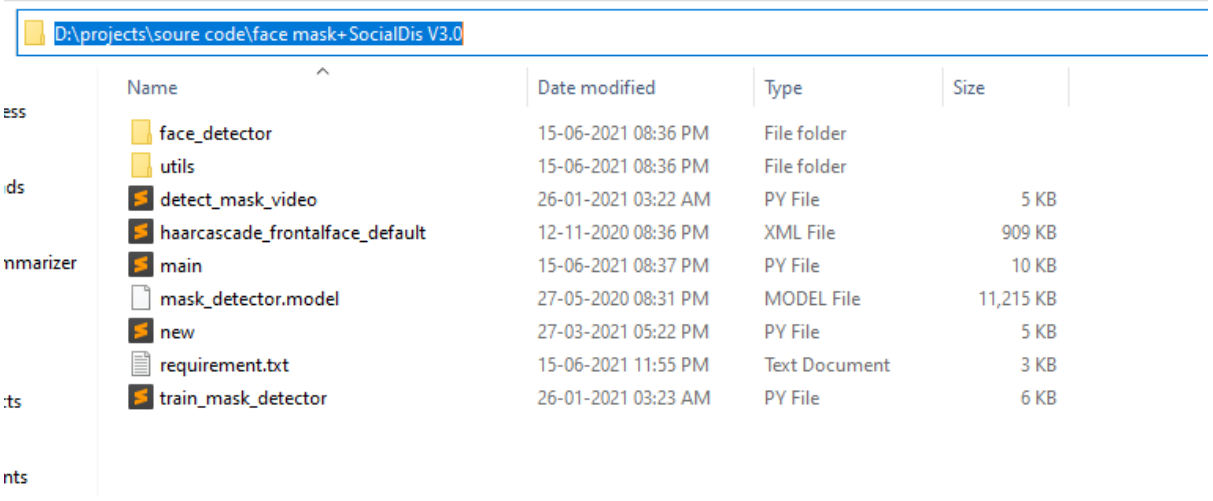
conda activate tftest

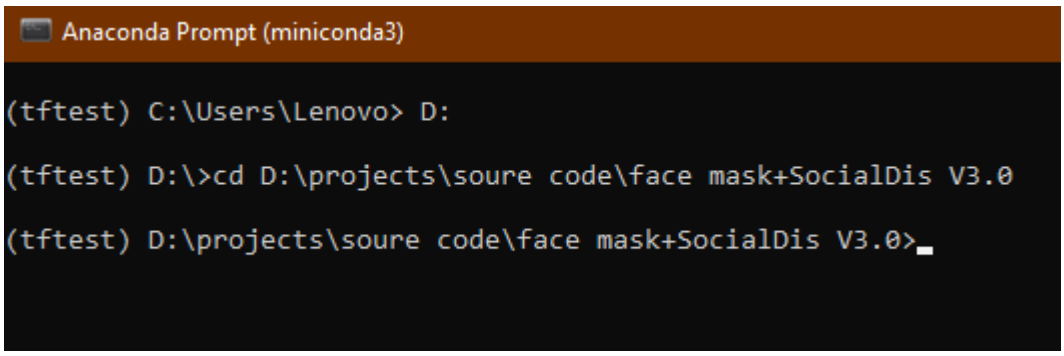


conda install python=3.6

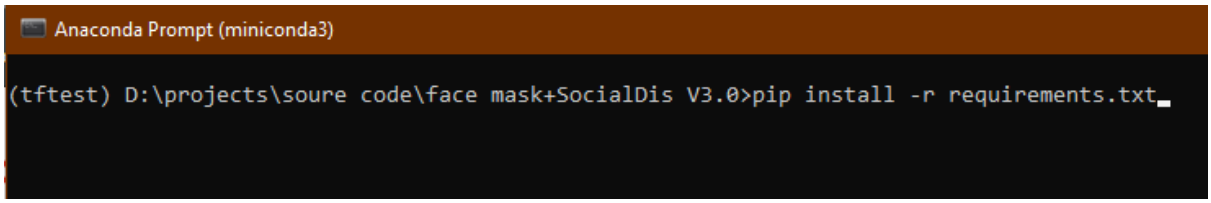


[after successful installation navigate to project folder and install pip packages]





Step 4 : Install Required packages by using below command

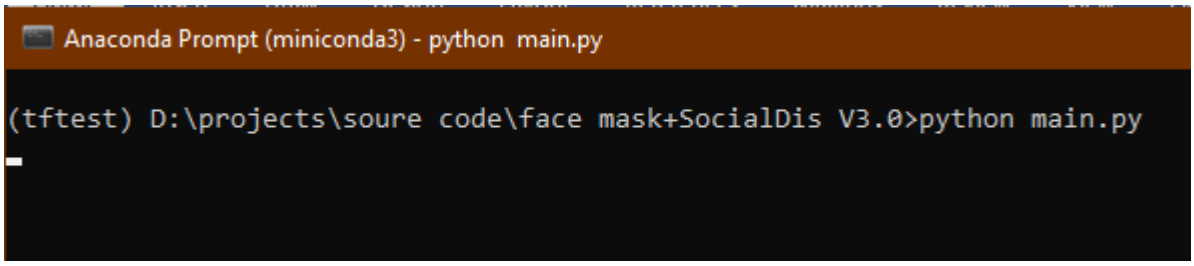


Wait for successful installation, it may take time.

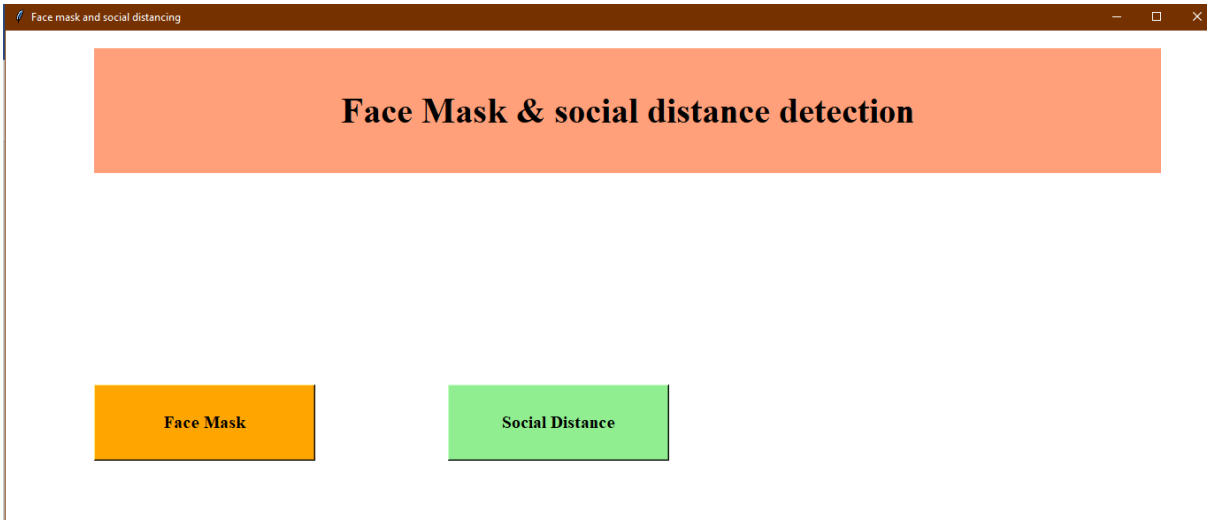
Step 5 : Launch the Actual Application

Run command

Python main.py



Python Tkinter UI page will open automatically

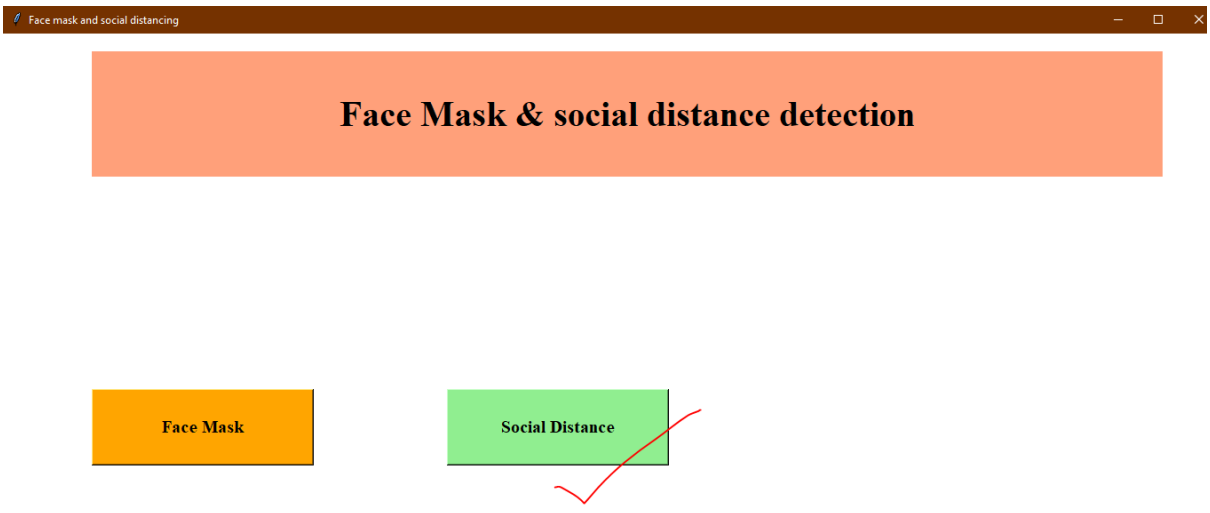


Click on Face mask, Camera will open and it will predict the mask and no mask.

Press CTRL + C to close the project window.

Step 6 : To Run Social Distance code

1. Open Miniconda prompt (refer from step 1)
2. Type command **conda activate tftest**
3. Navigate to project folder directory **by using command CD ____your___project___path**
4. Type command **Python main.py**
5. Again, same GUI will open, this time select social distance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Social Distance

6.