Helmet Detection

Create a new environment:

```
(base) C:\Users\Asus-2020> conda create -n HelDet python=3.6.9
```

Environment created

```
Proceed ([y]/n)? y


Downloading and Extracting Packages
sqlite-3.37.2        | 799 KB    | ############################################################################ | 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate HelDet
#
# To deactivate an active environment, use
#
#     $ conda deactivate


(base) C:\Users\Asus-2020>
```

Install the dependencies through Anaconda prompt

Activate the environment

```
(base) C:\Users\Asus-2020> conda activate HelDet
```

Navigate in to your project location and we have the requirements.txt file

```
(HelDet) D:\Amar\PycharmProjects>cd "HelmetDetection - Copy"

(HelDet) D:\Amar\PycharmProjects\HelmetDetection - Copy>dir
 Volume in drive D is New Volume
 Volume Serial Number is C2AE-F11C

 Directory of D:\Amar\PycharmProjects\HelmetDetection - Copy

02/22/2022  05:13 AM    <DIR>          .
02/22/2022  05:13 AM    <DIR>          ..
02/22/2022  05:15 AM    <DIR>          .idea
01/28/2022  10:48 AM               981 clientApp.py
01/28/2022  10:48 AM             1,433 main.py
11/16/2019  07:29 PM         3,768,320 object_detection-0.0.3.tar
02/12/2022  12:10 PM            25,609 output4.jpg
11/16/2019  07:29 PM               591 requirements.txt
02/22/2022  05:13 AM    <DIR>          research
02/22/2022  05:13 AM    <DIR>          solution_utils
02/22/2022  05:13 AM    <DIR>          templates
               5 File(s)      3,796,934 bytes
               6 Dir(s)  35,349,913,600 bytes free
```

Install the dependencies

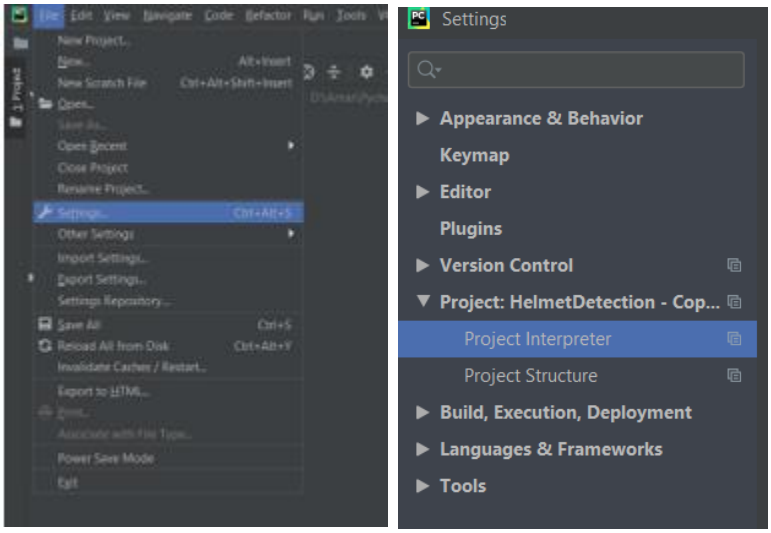
```
(HelDet) D:\Amar\PycharmProjects\HelmetDetection - Copy>pip install -r requirements.txt
```

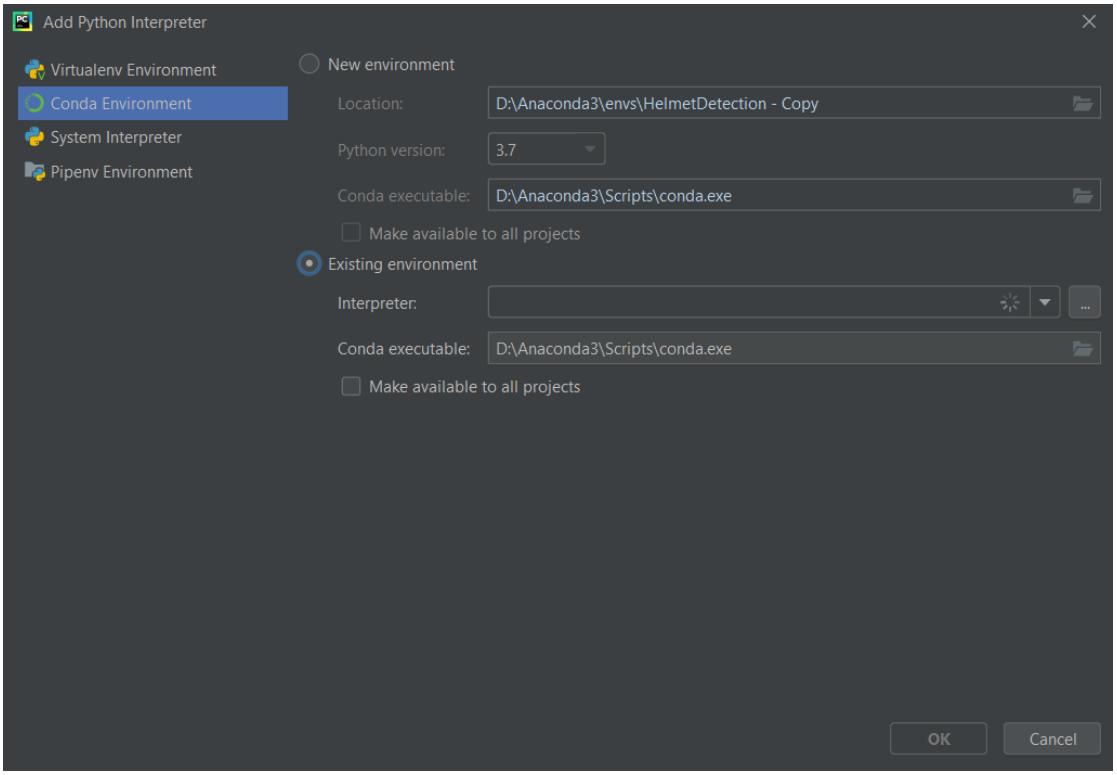
Dependencies are installed successfully

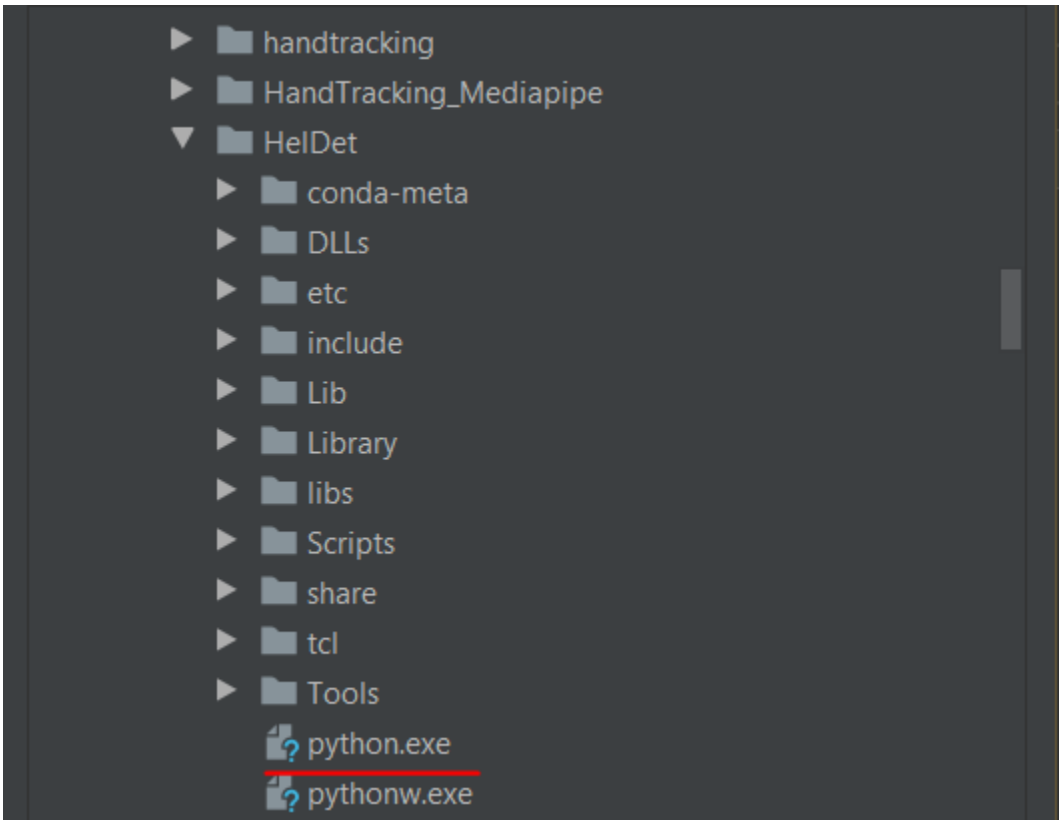
```
Successfully installed Click-7.0 Cython-0.29.28 Flask-1.1.1 Flask-Cors-3.0.8 Jinja2-2.10.3 Keras-Applications-1.0.8 Kera
s-Preprocessing-1.1.0 Markdown-3.1.1 MarkupSafe-1.1.1 Pillow-6.2.0 Send2Trash-1.8.0 Werkzeug-0.16.0 absl-py-0.8.1 argon2
-cffi-21.3.0 argon2-cffi-bindings-21.2.0 astor-0.8.0 async-generator-1.10 attrs-21.4.0 backcall-0.2.0 bleach-4.1.0 cffi-
1.15.0 colorama-0.4.4 contextlib2-21.6.0 cycler-0.11.0 dataclasses-0.8 decorator-5.1.1 defusedxml-0.7.1 entrypoints-0.4
gast-0.3.2 google-pasta-0.1.7 grpcio-1.24.1 h5py-2.10.0 importlib-metadata-4.8.3 ipykernel-5.5.6 ipython-7.16.3 ipython-
genutils-0.2.0 ipywidgets-7.6.5 itsdangerous-1.1.0 jedi-0.17.2 jsonschema-3.2.0 jupyter-1.0.0 jupyter-client-7.1.2 jupyt
er-console-6.4.0 jupyter-core-4.9.2 jupyterlab-pygments-0.1.2 jupyterlab-widgets-1.0.2 kiwisolver-1.3.1 lxml-4.8.0 matpl
otlib-3.3.4 mistune-0.8.4 nbclient-0.5.9 nbconvert-6.0.7 nbformat-5.1.3 nest-asyncio-1.5.4 notebook-6.4.8 numpy-1.17.2 o
bject-detection-0.0.3 opencv-contrib-python-4.1.1.26 packaging-21.3 pandocfilters-1.5.0 parso-0.7.1 pickleshare-0.7.5 pr
ometheus-client-0.13.1 prompt-toolkit-3.0.28 protobuf-3.10.0 pycparser-2.21 pygments-2.11.2 pyparsing-3.0.7 pyrsistent-0
.18.0 python-dateutil-2.8.2 pywin32-303 pywinpty-1.1.6 pyzmq-22.3.0 qtconsole-5.2.2 qtpy-2.0.1 six-1.12.0 tensorboard-1.
14.0 tensorflow-1.14.0 tensorflow-estimator-1.14.0 termcolor-1.1.0 terminado-0.12.1 testpath-0.5.0 tornado-6.1 traitlets
-4.3.3 typing-extensions-4.1.1 wcwidth-0.2.5 webencodings-0.5.1 widgetsnbextension-3.5.2 wrapt-1.11.2 zipp-3.6.0
```

Open the project

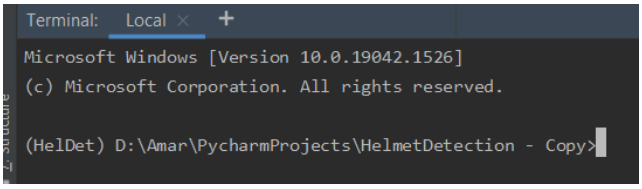
File - > settings - > Select project interpreter - > click gear icon on the top - > select add - > Select conda environment - > select existing environment



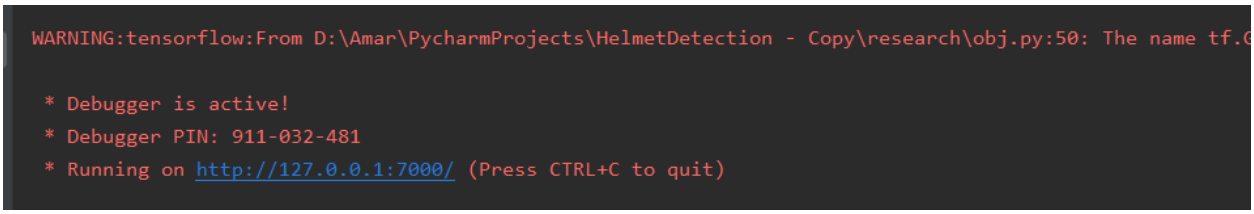




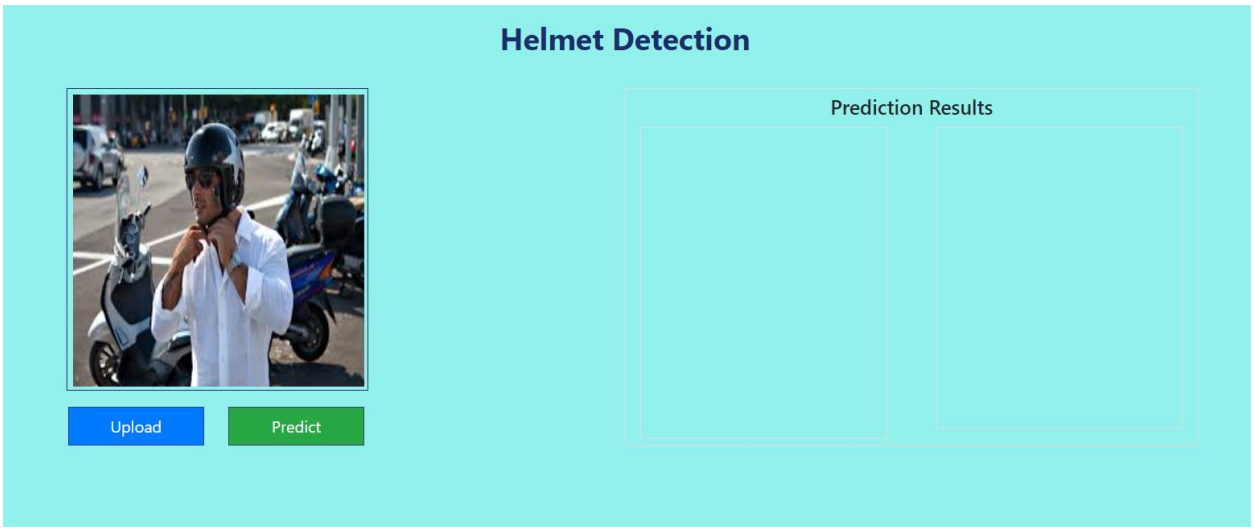
Choose the interpreter inside in your environment and then click apply and ok



Run clientApp.py file



Click the link



Upload an image and click predict