

Date	12-11-2022
Team ID	PNT2022TMID48642
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum marks	2 Marks

Step – 1 : Install Python

Step 2: Install wiotp-sdk

```
C:\Users\Shady's DELL>pip install wiotp-sdk
Requirement already satisfied: wiotp-sdk in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (0.11.0)
Requirement already satisfied: iso8601>=0.1.12 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (1.1.0)
Requirement already satisfied: pytz>=2018.9 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (2022.6)
Requirement already satisfied: pyyaml>=3.13 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (6.0)
Requirement already satisfied: paho-mqtt>=1.3.0 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (1.6.1)
Requirement already satisfied: requests>=2.21.0 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (2.28.1)
Requirement already satisfied: requests-toolbelt>=0.8.0 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from wiotp-sdk) (0.10.1)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2022.9.24)
Requirement already satisfied: idna<4,>=2.5 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (3.4)
Requirement already satisfied: urllib3<2.0,>=1.21.1 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (1.26.12)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2.1.1)

[notice] A new release of pip available: 22.2.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

Step 3: Install ibm cloudant

```
C:\Users\Shady's DELL>pip install ibmcloudant
Collecting ibmcloudant
  Downloading ibmcloudant-0.3.0.tar.gz (97 kB)
    ----- 97.8/97.8 kB 5.5 MB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting ibm_cloud_sdk_core==3.16.0
  Downloading ibm_cloud_sdk_core-3.16.0-py3-none-any.whl (83 kB)
    ----- 83.7/83.7 kB 0.0 MB/s eta 0:00:00
Requirement already satisfied: requests<3.0,>=2.20 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from ibmcloudant) (2.28.1)
Collecting python_dateutil<3.0,>=2.5.3
  Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
    ----- 247.7/247.7 kB 14.8 MB/s eta 0:00:00
Collecting PyJWT<3.0.0,>=2.0.1
  Downloading PyJWT-2.6.0-py3-none-any.whl (20 kB)
Requirement already satisfied: urllib3<2.0.0,>=1.26.0 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from ibm_cloud_sdk_core==3.16.0->ibmcloudant) (1.26.12)
Collecting six>=1.5
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (2022.9.24)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (2.1.1)
Requirement already satisfied: idna<4,>=2.5 in c:\users\shady's\ dell\appdata\local\programs\python\python310\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (3.4)
Using legacy 'setup.py install' for ibmcloudant, since package 'wheel' is not installed.
Installing collected packages: six, PyJWT, python_dateutil, ibm_cloud_sdk_core, ibmcloudant
  Running setup.py install for ibmcloudant ... done
Successfully installed PyJWT-2.6.0 ibm_cloud_sdk_core-3.16.0 ibmcloudant-0.3.0 python_dateutil-2.8.2 six-1.16.0

[notice] A new release of pip available: 22.2.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

Step 4: Install opencv-python

```
C:\Users\Shadys\ DELL>pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.6.0.66-cp36-cp36-win_amd64.whl (35.6 MB)
----- 35.6/35.6 MB 5.6 MB/s eta 0:00:00
Collecting numpy>=1.21.2
  Downloading numpy-1.23.4-cp310-cp310-win_amd64.whl (14.6 MB)
----- 14.6/14.6 MB 5.7 MB/s eta 0:00:00
Installing collected packages: numpy, opencv-python
Successfully installed numpy-1.23.4 opencv-python-4.6.0.66

[notice] A new release of pip available: 22.2.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

Step 5: Install pyzbar

```
Installing collected packages: pyzbar
Successfully installed pyzbar-0.1.9

[notice] A new release of pip available: 22.2.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Shadys\ DELL>
```