To Develop a python script

Date	30 November 2022
Team ID	PNT2022TMID40285
Title	Smart waste management system
Marks	8 Marks

PYTHON CODE:

```python
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

"identity": {

"orgId": "udgvx5",

"typeId": "Level_Monitoring",

"deviceId":"Python_Script"

},

"auth": {

"token": "IBM_TEAM@123"

} }

def myCommandCallback(cmd):

print("Message received from IBM IoT Platform: %s" %

cmd.data['command'])

m=cmd.data['command']


client = wiotp.sdk.device.DeviceClient(config=myConfig,

logHandlers=None)

client.connect()

while True:

latitude=random.uniform(27.2046,125.25)
```

```python
longitude=random.uniform(77.4977,100.1526)

binlevel=random.randint(10,100)

if binlevel >= 90:

myData={'latitude':latitude,'longitude':longitude,'binlevel':binlevel}

client.publishEvent(eventId="status",

msgFormat="json", data=myData, qos=0,

onPublish=None)

##print("Published data Successfully: %s", myData)

print("BIN IS FULL!!!!",myData)

client.commandCallback = myCommandCallback

time.sleep(2)

else :

print("BIN IS IN NORMAL LEVEL")

time.sleep(2)

client.disconnect()
```

PYTHON IDLE OUTPUT: