TO DEVELOP A PYTHON SCRIPT

Date	09 NOVEMBER 2022
Team ID	PNT2022TMID42279
Project Name	Project-Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

PYTHON CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
"identity": {
"orgld": "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)
```

```
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: