Develop The Python Script

Team ID	PNT2022TMID11760
Project Name	Smart Waste Management System For Metropolitan Cities

TASK:

Develop a python script to publish the random sensor data to the IBM IoT platform.

Develop a python code for publishing the location (latitude and longitude) data along with bin values to the IBM IoT Platform.

PYTHON CODE:

```
g x
■ Sinlocation.gy - CUPyther/PutherS7/Binlocation.gy (S74)
         wiotp.sdk.device
 import time
    ort random
 import requests
                     mbakkam', 'T.nagar', 'West mambalam', 'vadapalani', 'ekkattuthangal']
myConfig = {
       "identity": {
    "orgId": "dluchi",
    "typeId": "SMMS",
    "deviceId": "6032"
     % auth": [
"token": "311519106032"
def myCommandCallback(cmd):
     print("Message received from IRM IoT Platform: %s" % cmd.data['command'])
m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config-myConfig, logHandlers=None)
client.connect()
 #Location-input("enter location: ")
#while(coation == address0):
for x in addresss
wrl = 'https://nominatim.openstreetmap.org/search/" + urllib.parse.quote(x) +'?format=json'
response = requests.qet(url).json()
a = response[1]["lat"]
b = response[1]["lon"]
   bin_stat = random.randint(0,100)
  In percent = str(bin_stat) + "%"

myData=("Latitude":a, "Longitude":b, "%in Status":In_percent)

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=Sone)

print("Published data Successfully: | myData)
   client.commandCallback = myCommandCallback
   time.sleep(2)
 client.disconnect()
```

OUTPUT:

```
### Processes | Page |
```

IBM WATSON CLOUD PLATFORM:



