Develop The Python Script

Team ID	PNT2022TMID27888
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:

```
Binlocation.py - C:\Python\Python37\Binlocation.py (3.7.4)
 File Edit Format Run Options Window Help
 import wiotp.sdk.device
 import random
 import requests
import urllib.parse
address= ['Kodambakkam','T.nagar','West mambalam','vadapalani','ekkattuthangal']
myConfig = {
         mfig = {
  "identity": {
      "orgId": "dluuhi",
      "typeId": "SWMS",
      "deviceId": "6032"
                 "token": "311519106032"
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)
 #Location=input("enter location: ")
#while(Location == address0):
 for x in address:
    url = 'https://nominatim.openstreetmap.org/search/' + urllib.parse.quote(x) +'?format=json'
    response = requests.get(url).json()
    a = response[1]["lat"]
    b = response[1]["lon"]
   b = response[i][ ron ]
bin_stat = random.randint(0,100)
In_percent = str(bin_stat) + "%"
myData=('Latitude':a, 'Longitude':b, "Bin Status":In_percent)
client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
print("Published data Successfully: |", myData)
client.commandCallback = myCommandCallback
+:me.slacn(2)
time.sleep(2)
client.disconnect()

    Frain off and on
    A (2)
    (2)
    (3)
    (3)
    (6)
    PM

    11-11-2022
    11-11-2022

Type here to search
                                                        🚚 o 🛱 💽 🔚 😭 🔞 🕞
```

OUTPUT:

IBM WATSON CLOUD PLATFORM:



