PYTHON SCRIPT

Team ID	PNT2022TMID00928
Project Name	Smart waste management system for metropolitan cities

Python code to find the GPS location using Latitude and Longitude (random values)

PYTHON CODE :

```
import wiotp.sdk.device
import time
import random
myConfig = {
        "identity": {
                "orgId": "fzv53v",
                "typeId": "Bin",
                "deviceId":"Bin_1"
        },
        "auth": {
                "token": "1234567890"
        }
}
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()
def pub (data):
        client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
        print ("Published data Successfully: %s", myData)
while True:
```

```
        myData={'name': 'Bin1', 'lat': 13.092677, 'lon': 80.188314}
        pub (myData)
        time.sleep (3)

        client.commandCallback = myCommandCallback
client.disconnect ()
```

IBM Watson IOT platform :