

# Develop A Python Script

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| Date           | 7 November 2022  |
| Team ID        | PNT2022TMID05358   |
| Project Tittle | Smart waste management system<br>formetropolitan cities. |

## CODE :

```
#IBM Watson IOT Platform#pip install wiotp-  
sdk import wiotp.sdk.device import time  
import random myConfig = {  
"identity": { "orgId": "mldk59",  
"typeId": "pythoncode",  
"deviceId": "252525"  
},  
"auth": {  
"token": "QZqODYo6U*Q6b+IpuC"  
}}  
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()
```