SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

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Develop a python script

Code :

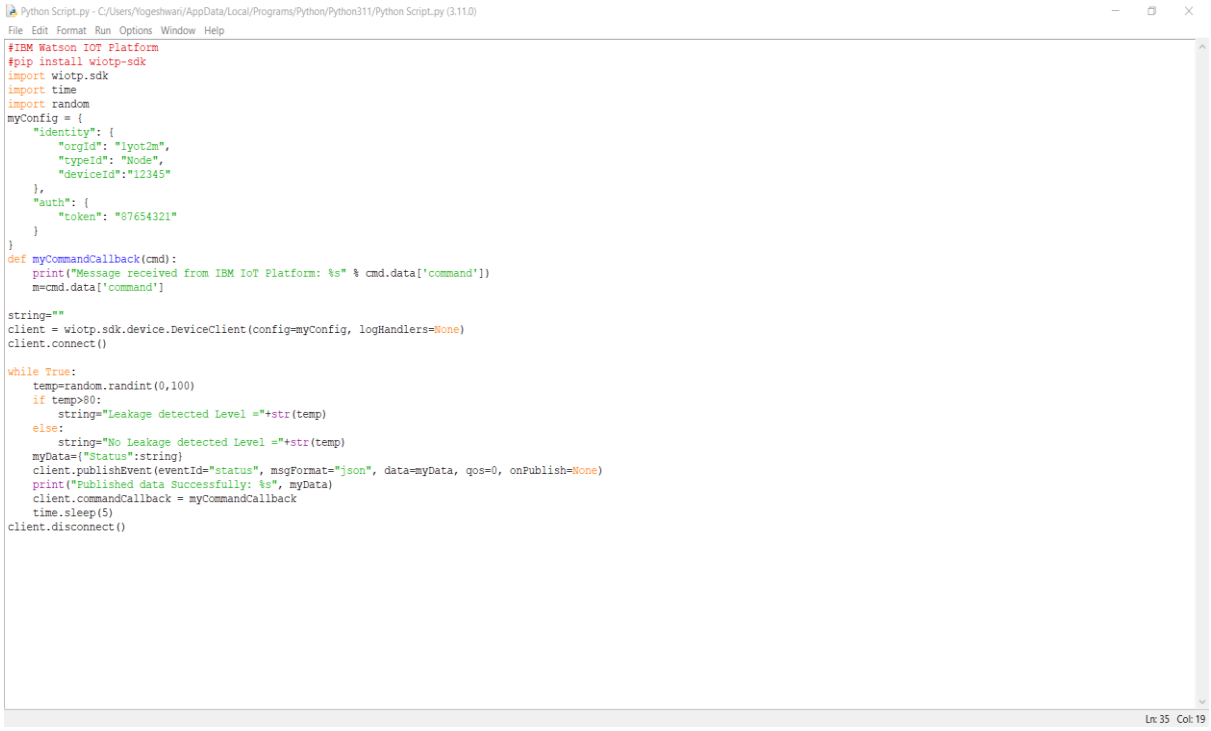
```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk
import time
import random
myConfig = {
    "identity": {
        "orgId": "1yot2m",
        "typeId": "Node",
        "deviceId":"12345"
    },
    "auth": {
        "token": "87654321"
    }
}
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])
    m=cmd.data['command']


string=""
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()


while True:
    temp=random.randint(0,100)
    if temp>80:
        string="Leakage detected Level ="+str(temp)
    else:
        string="No Leakage detected Level ="+str(temp)
    myData={"Status":string}
    client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
client.disconnect()
```

Screenshot :


Python Script.py - C:/Users/Yogeshwari/AppData/Local/Programs/Python/Python311/Python Script.py (3.11.0)
File Edit Format Run Options Window Help
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