TEAM ID : PNT2022TMID04731

Smart Waste Management For Metropolitan Cities

Develop The Python Script

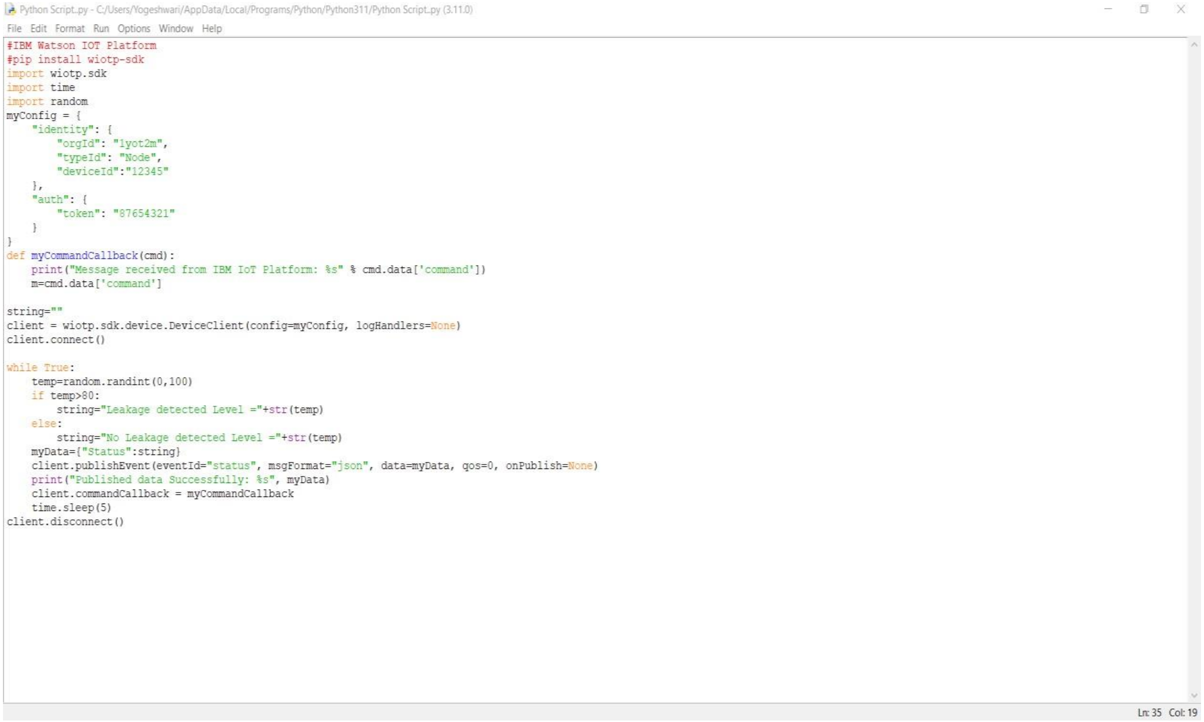
Code :

```
#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(0,10
   0) 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
Ln: 35 Col: 19

```
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#pip install wiotp-sdk
import wiotp.sdk
import time
import random
myConfig = {
    "identity": {
        "orgId": "1yot2m",
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}
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()
```