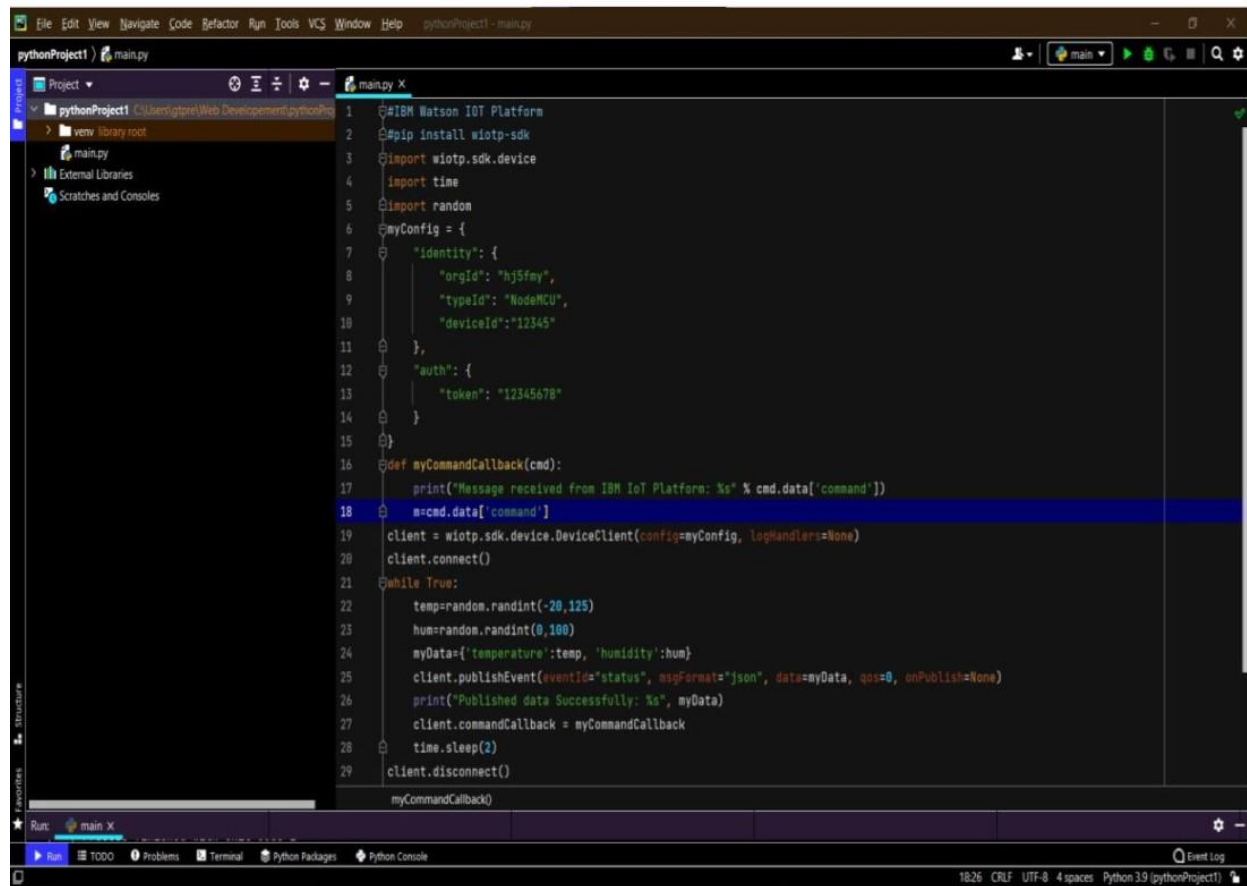


Develop a Python Script

Team ID-PNT2022TMID14654



The screenshot shows a code editor with a Python script for connecting to the IBM Watson IoT Platform. The script includes comments for installation and imports for the IoT SDK, time, and random modules. It defines a configuration dictionary with identity and authentication details. A callback function is defined to handle incoming commands. The main logic involves connecting to the IoT platform, publishing random temperature and humidity data, and listening for commands. The script is saved as main.py in a project named pythonProject1.

```
1  #IBM Watson IoT Platform
2  #pip install wiop-sdk
3  import wiop.sdk.device
4  import time
5  import random
6  myConfig = {
7      "identity": {
8          "orgId": "hj5fey",
9          "typeId": "NodeMCU",
10         "deviceId": "12345"
11     },
12     "auth": {
13         "token": "12345678"
14     }
15 }
16 def myCommandCallback(cmd):
17     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
18     m=cmd.data['command']
19     client = wiop.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
20     client.connect()
21     while True:
22         temp=random.randint(-20,125)
23         hum=random.randint(0,100)
24         myData={'temperature':temp, 'humidity':hum}
25         client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
26         print("Published data Successfully: %s", myData)
27         client.commandCallback = myCommandCallback
28         time.sleep(2)
29     client.disconnect()
30     myCommandCallback()
```