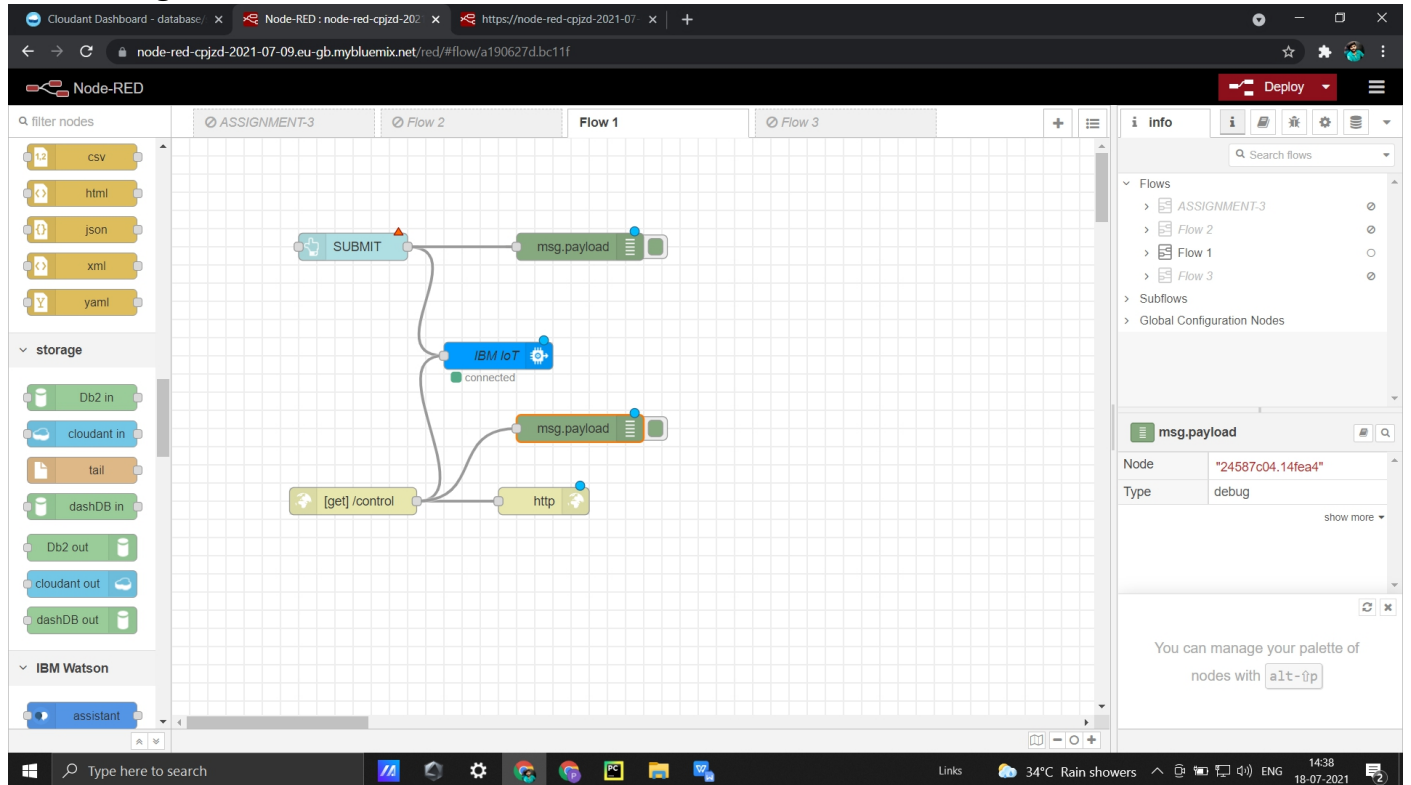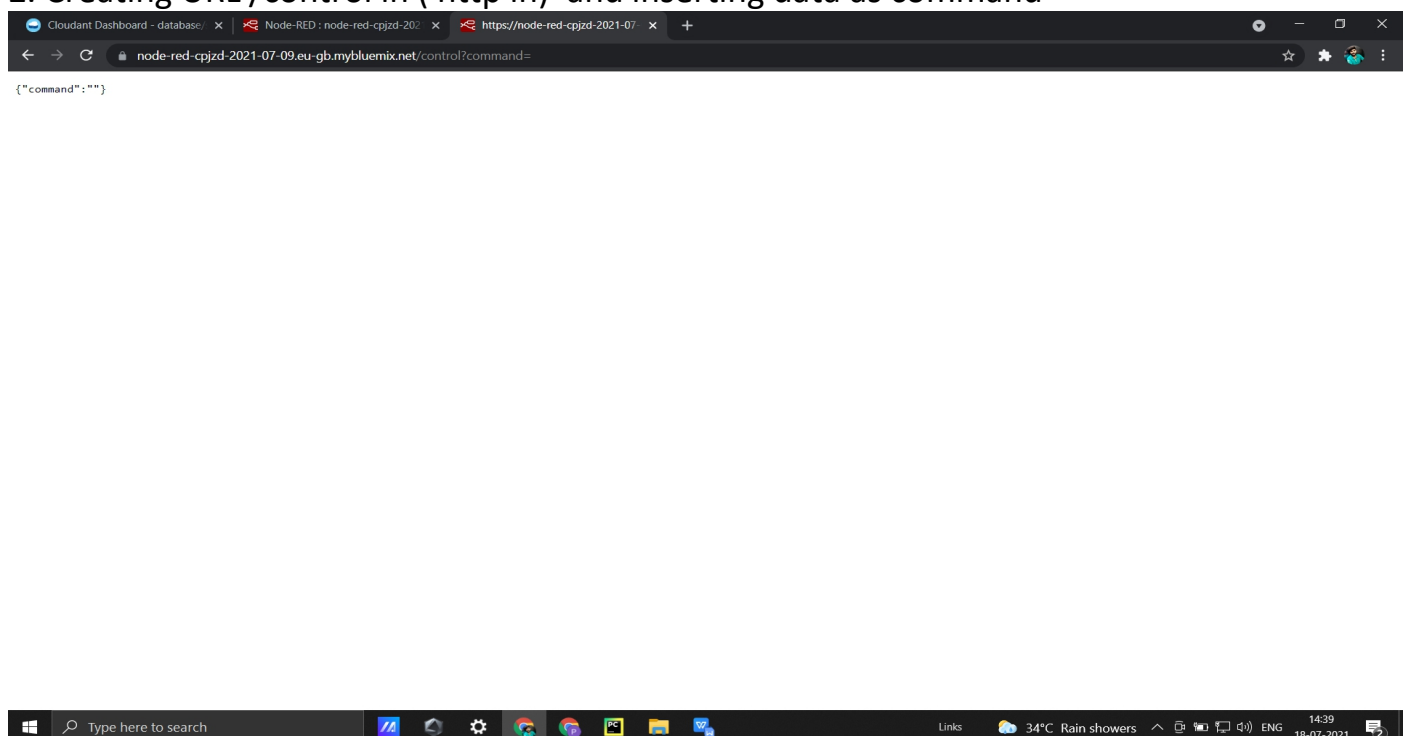Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.
Keep a text box to accept the user input.integrate a submit button.
whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

1. Creating a flow file in node red

2. Creating URL /control in (http in) and inserting data as command

3. Configuration of button to read the app data when the button submit is pressed

4. Creating MIT app for sending user input data to python code when submit button is pressed
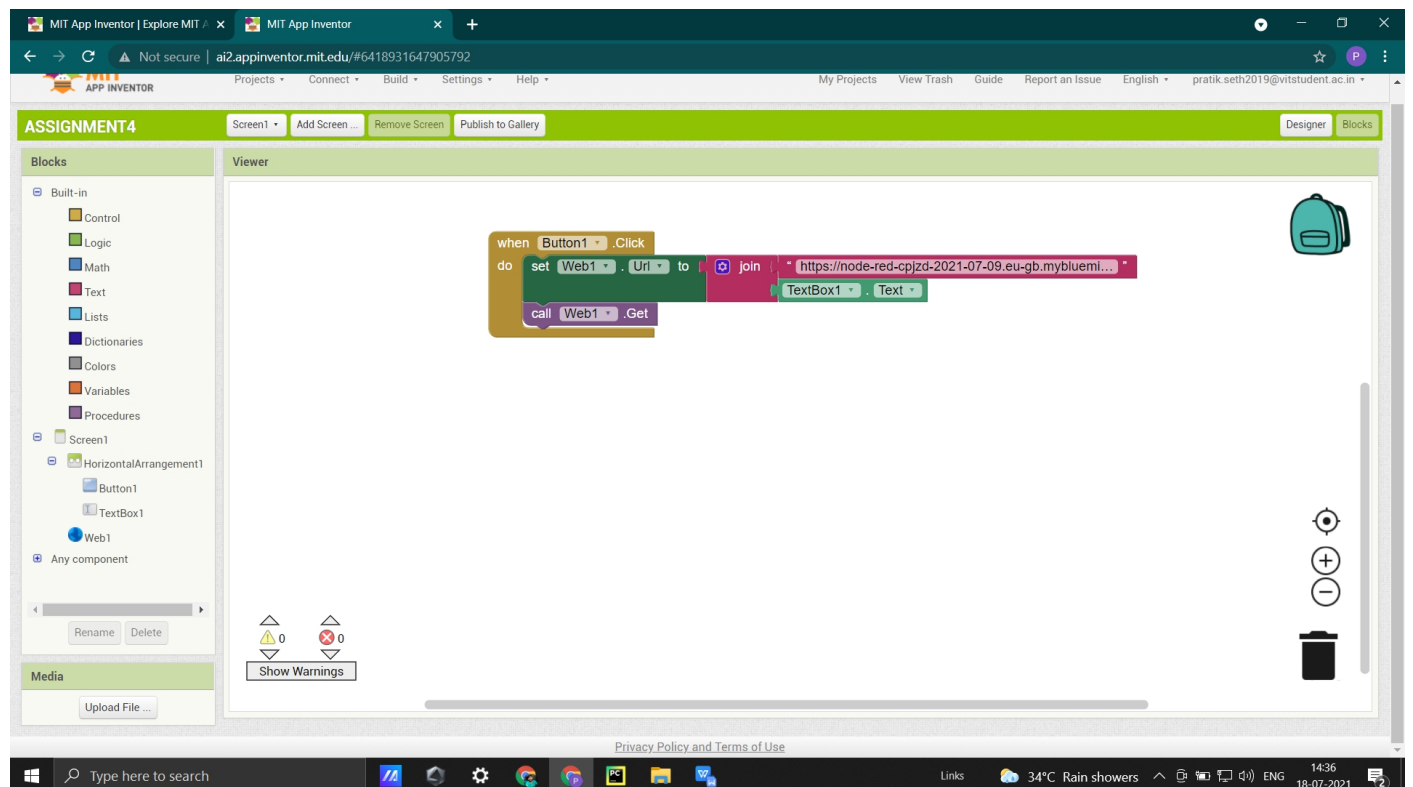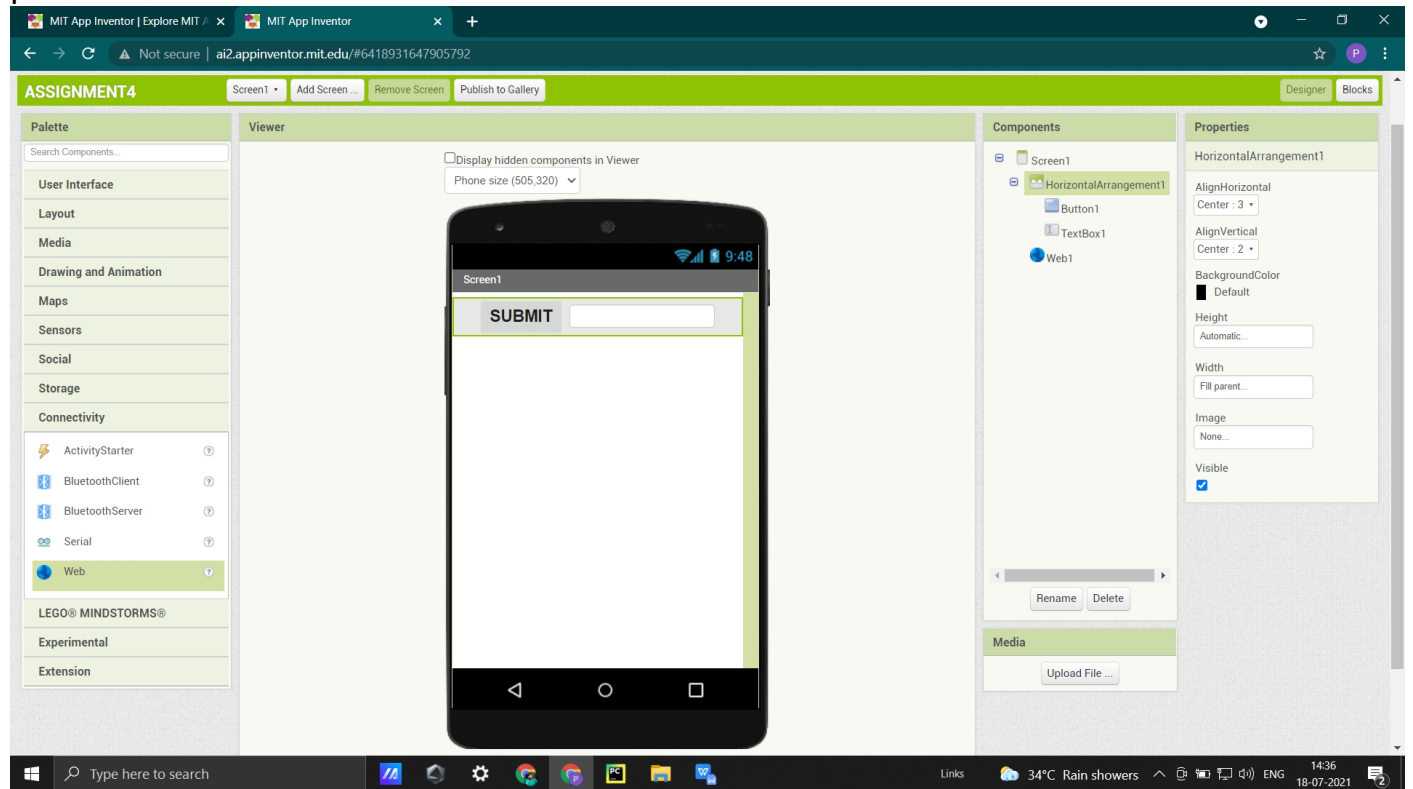
5. Sending data from phone MIT AI2 companion

Screen1

SUBMIT | HI,I'M PRATIK

Screen1

SUBMIT | MY PHONE
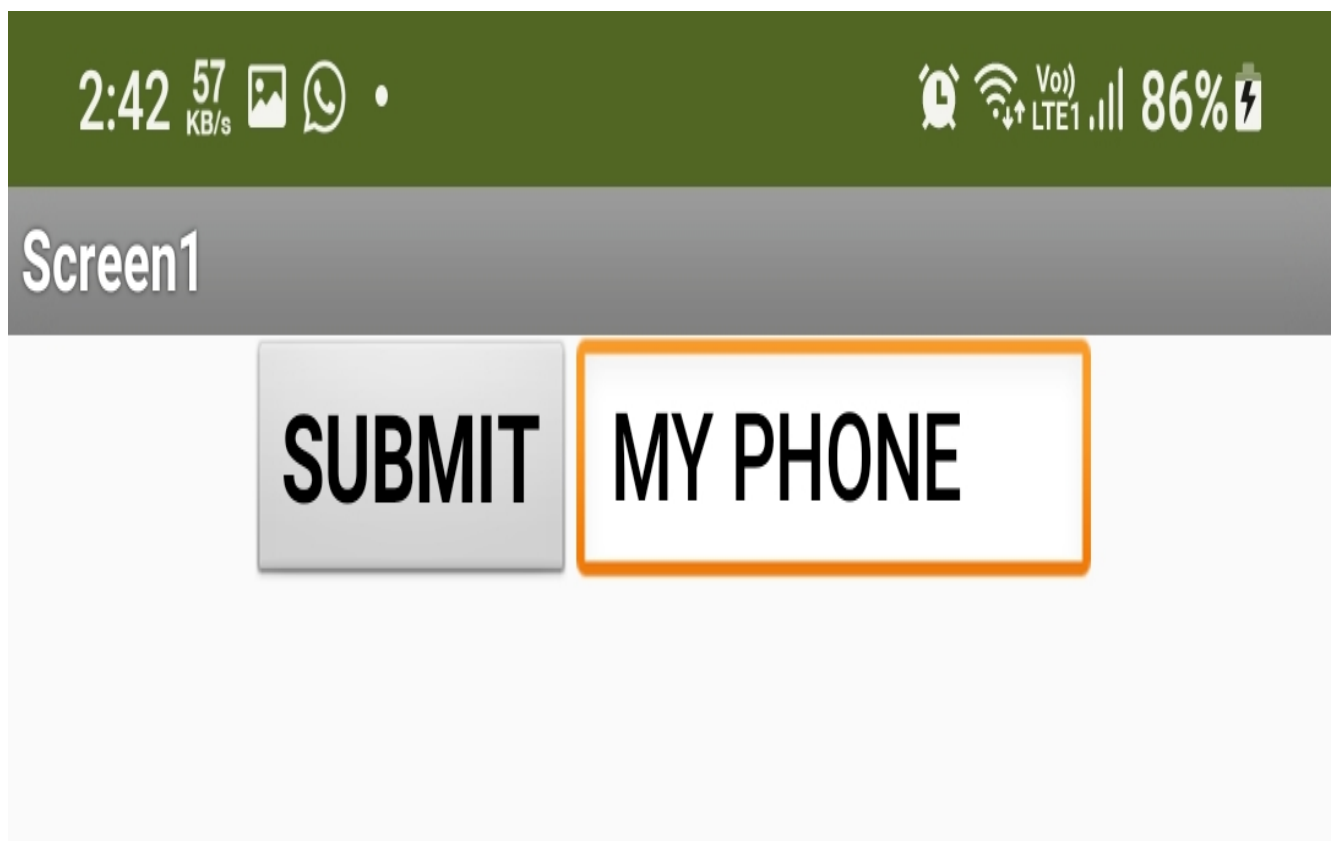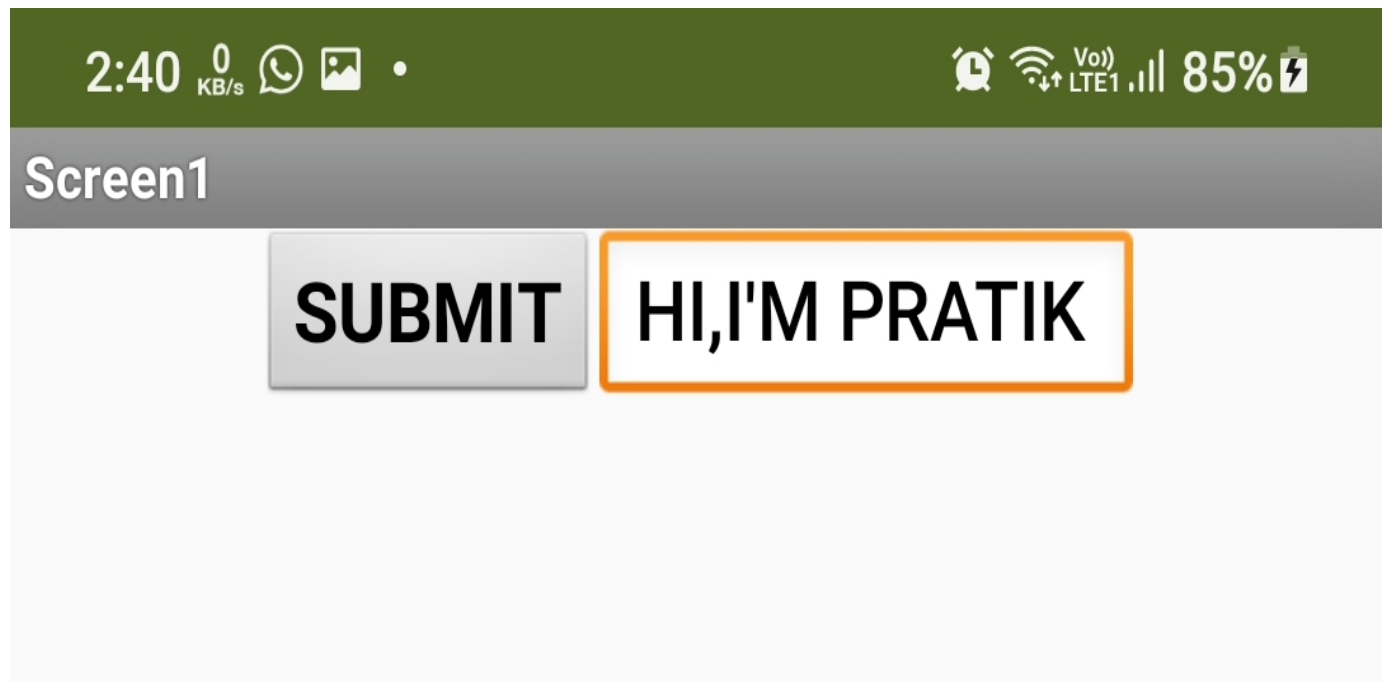
6. Reading the send data from MIT AI2 companion in python


```python
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "8a150p",
        "typeId": "SETHKTS",
        "deviceId":"12345"
    },
    "auth": {
        "token": "12345678"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    print()

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```
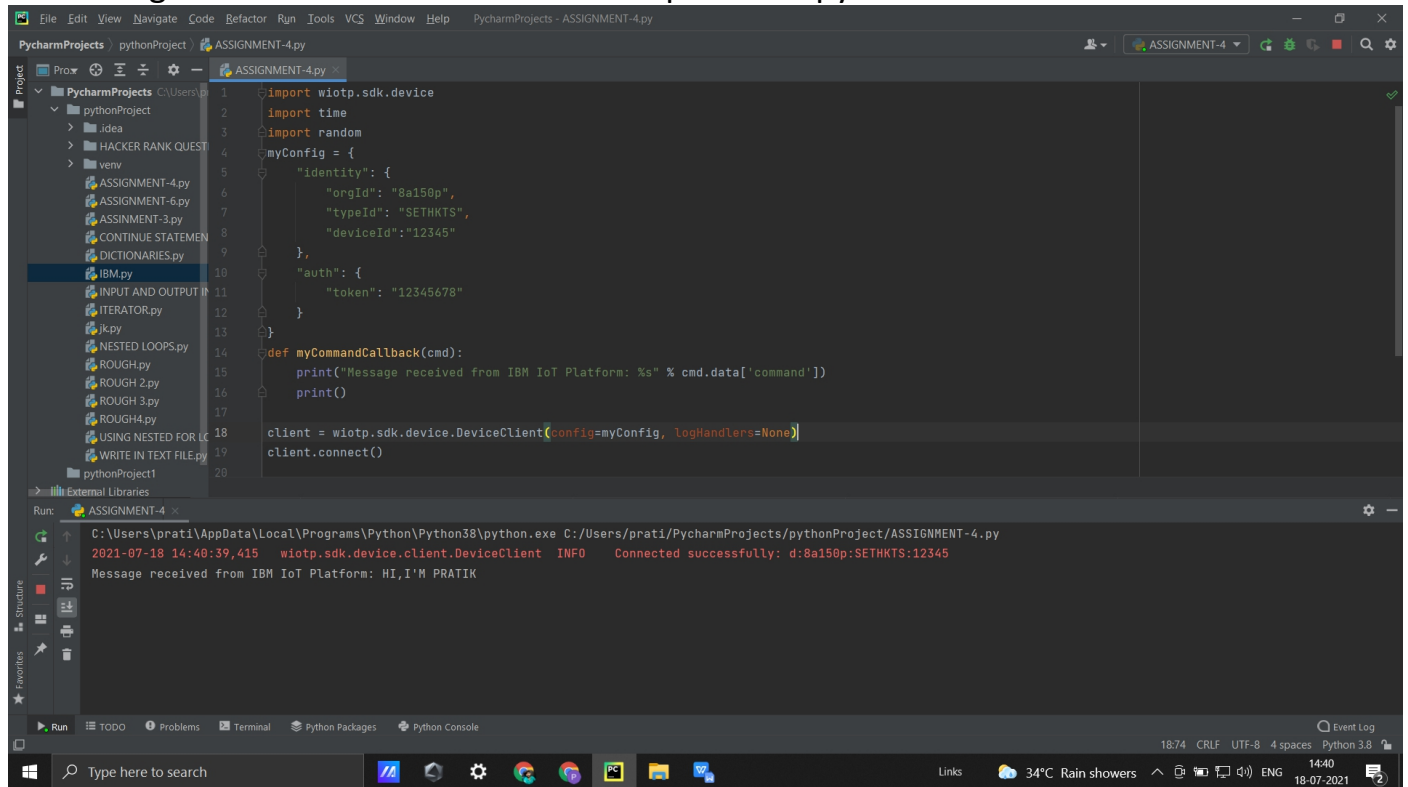
```
C:\Users\prati\AppData\Local\Programs\Python\Python38\python.exe C:/Users/prati/PycharmProjects/pythonProject/ASSIGNMENT-4.py
2021-07-18 14:40:39,415   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:8a150p:SETHKTS:12345
Message received from IBM IoT Platform: HI,I'M PRATIK
```
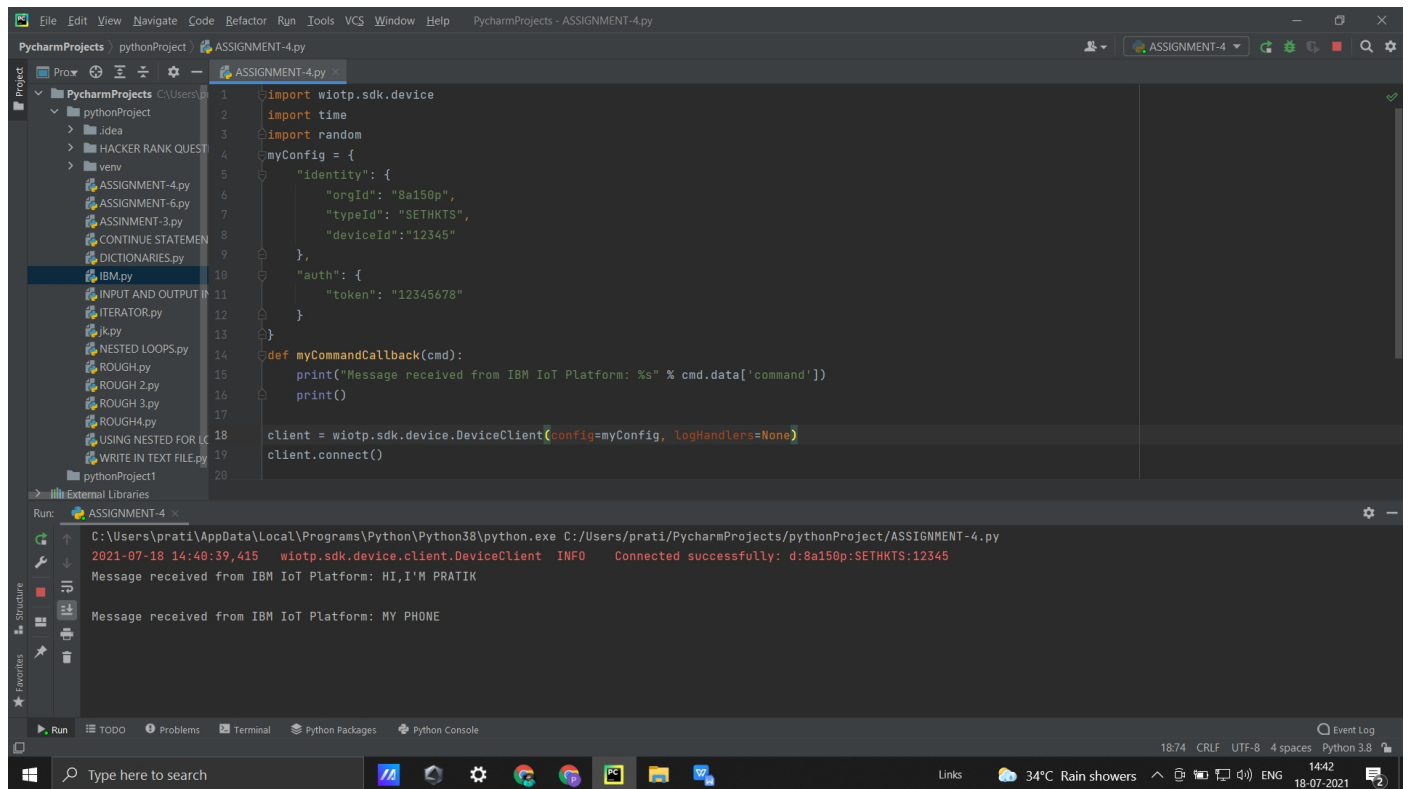


```
C:\Users\prati\AppData\Local\Programs\Python\Python38\python.exe C:/Users/prati/PycharmProjects/pythonProject/ASSIGNMENT-4.py
2021-07-18 14:40:39,415   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:8a150p:SETHKTS:12345
Message received from IBM IoT Platform: HI,I'M PRATIK

Message received from IBM IoT Platform: MY PHONE
```