PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

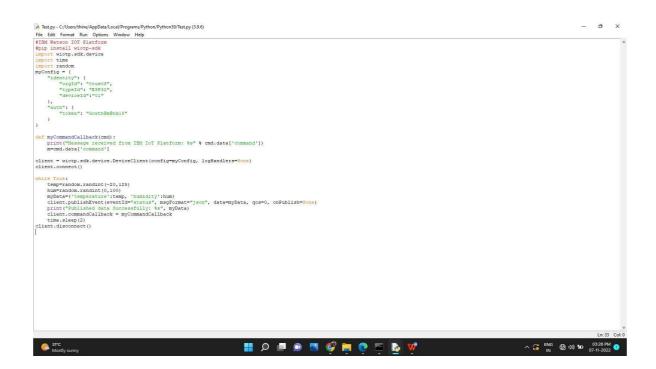
Assignment Date	07 NOVEMBER 2022
Team ID	PNT2022TMID29330
Project Name	Gas Leakage Monitoring and Alerting System

Python Code:

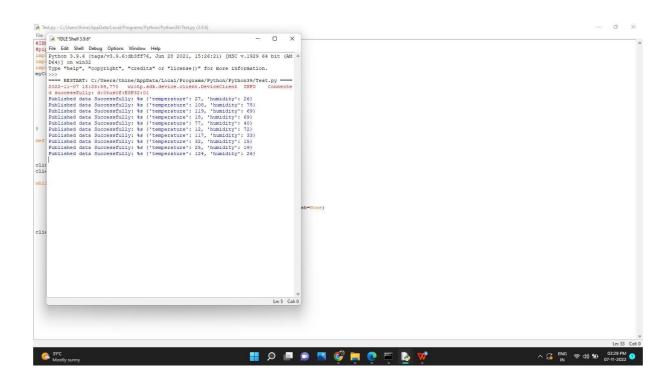
```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "0tus0f",
    "typeId": "ESP32",
    "deviceId":"01"
  },
  "auth": {
    "token": "Gowth@m@nk18"
  }
}
def myCommandCallback(cmd):
  print("Message received 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:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

PYTHON CODE:



PYTHON OUTPUT:



Watson Cloud IBM:

