PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

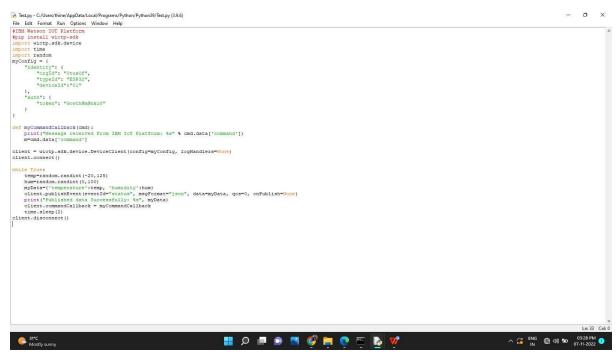
Assignment Date	18 NOVEMBER 2022
Team ID	PNT2022TMID16936
Project Name	Gas Leakage Monitoring and Alerting System

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:

```
| A Total process | A Total Continue | A Total Con
```

Watson Cloud IBM:

