PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

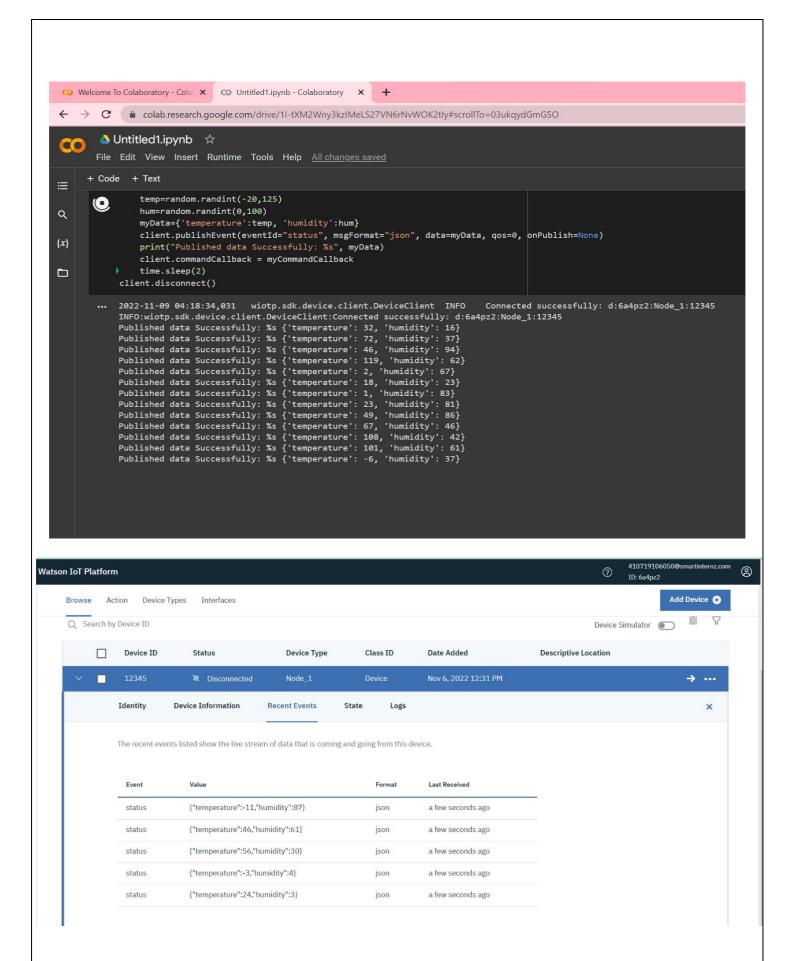
Date	11 NOVEMBER 2022
Team ID	PNT2022TMID12116
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Code:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": " 6a4pz2",
    "typeId": "Node_1",
    "deviceId":"12345"
 },
  "auth": {
    "token": "12345678"
 }
}
```

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 to publish the data to IBM Cloud was implemented successfully