PYTHON SCRIPT TO PUBLISH DATA TO IBM CLOUD

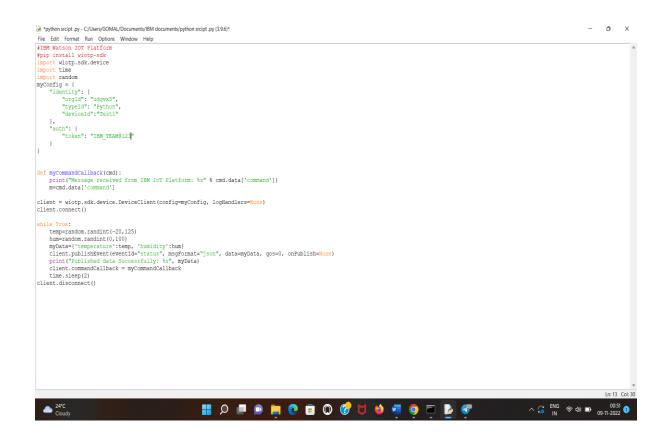
Date	10 November 2022
Team ID	PNT2022TMID42279
Project Name	Project-Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

PYTHON CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
     "orgld": "udgvx5",
    "typeId": "Python",
    "deviceId":"Test1"
  },
  "auth": {
    "token": "IBM_TEAM@123"
  }
}
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:

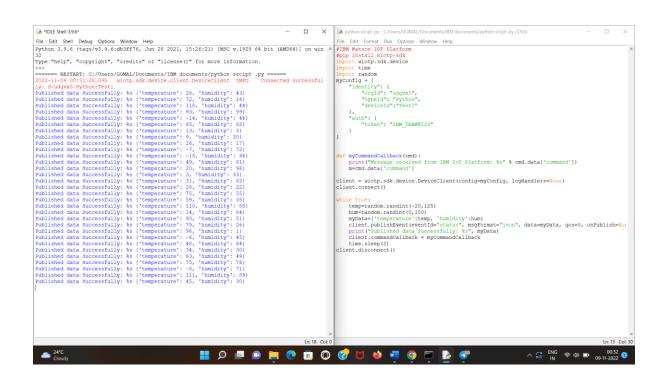
```
## TOK Sed 389

Fig. 68 Sed Debts Option, Window Help

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Fig. 7 c. (respective) of "temperature" in the proceedings of the process of the proce
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IBM WATSON OUTPUT:

