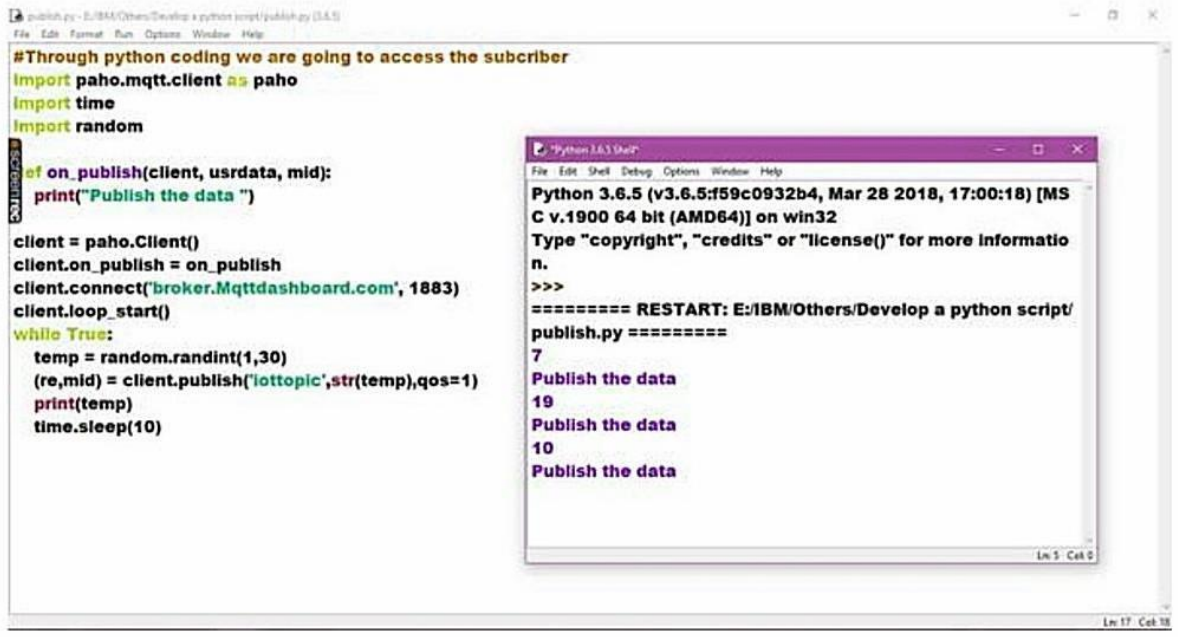
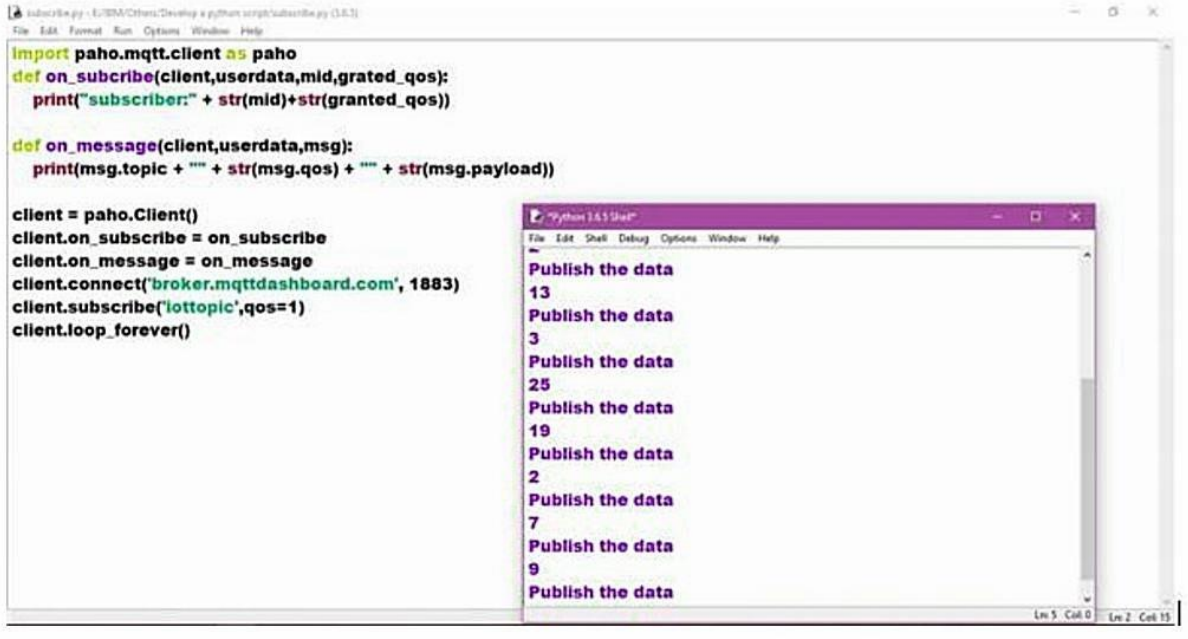
Develop the Python Script

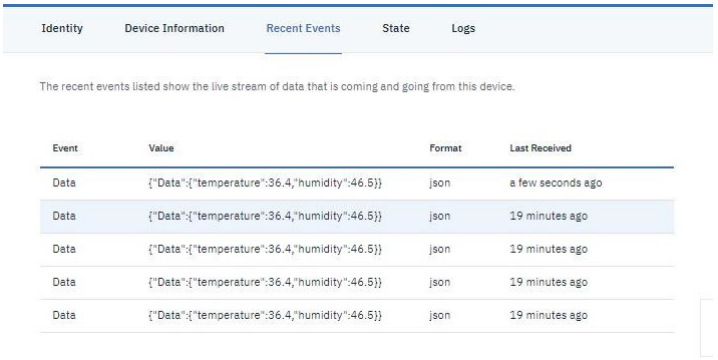
(Publish data to IBM cloud)

Date	04 November 2022
Team ID	PNT2022TMID15234
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	4 Marks

Industry-Specific Intelligent Fire Management system







Program:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {"identity":
{
   "orgId": "88653s",
   "typeId": "iot_device",
   "deviceId":"wokwi_us"},
   "auth": {"token": ")1(uiYYO)Nmkr9sk(k"}
}
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()
```