DEVELOP THE PYTHON SCRIPT(PUBLISH DATA TO IBM CLOUD)

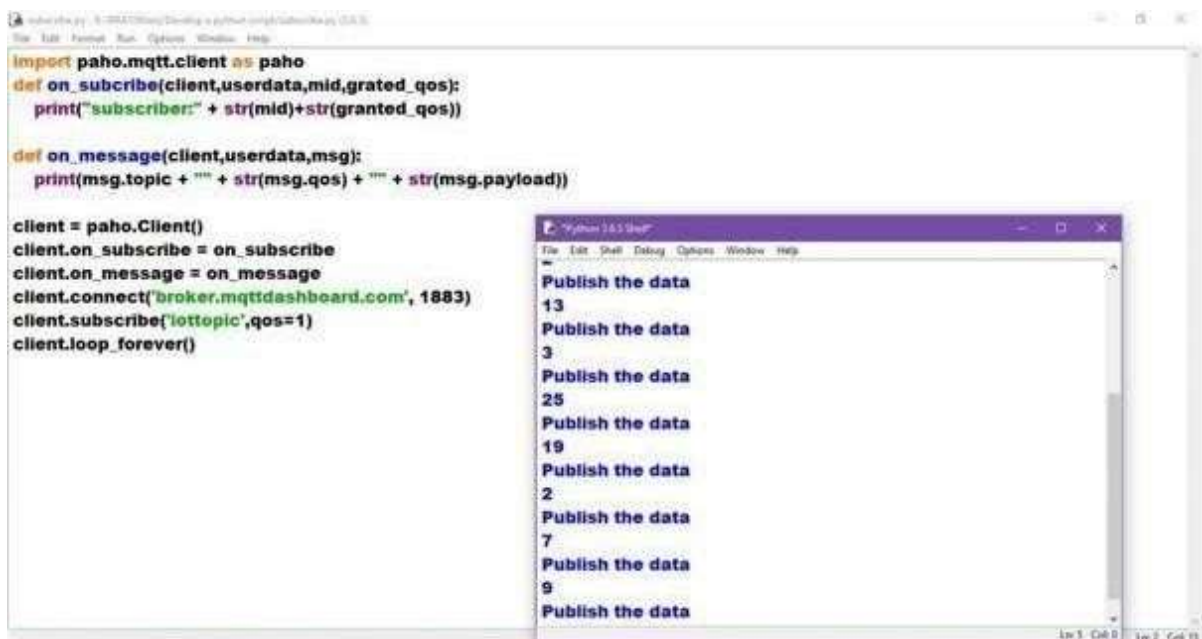| Team ID	PNT2022TMID53793
Project Name	Industry-Specific Intelligent Fire Management System

Add Device ⊕

		Device ID	Status	Device Type	Class ID	Date Added		
∨	☐	abcd	⚡ Disconnected	123	Device	Nov 3, 2022 12:13 PM	→	...

Identity   Device Information   **Recent Events**   State   Logs   ✕

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"randomNumber":74}	json	a few seconds ago
event_1	{"randomNumber":47}	json	a few seconds ago
event_1	{"randomNumber":45}	json	a minute ago
event_1	{"randomNumber":19}	json	a minute ago
event_1	{"randomNumber":79}	json	a minute ago

1 Simulation running

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Program :

```
#IBM Watson IOT
Platform

 #pip  install  wiotp-sdk
import wiotp.sdk.device
import  time     import
random

myConfig = {"identity":
{
   "orgId": "hj5fmy",
   "typeId": "NodeMCU",
   "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()
```

```python
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()
```