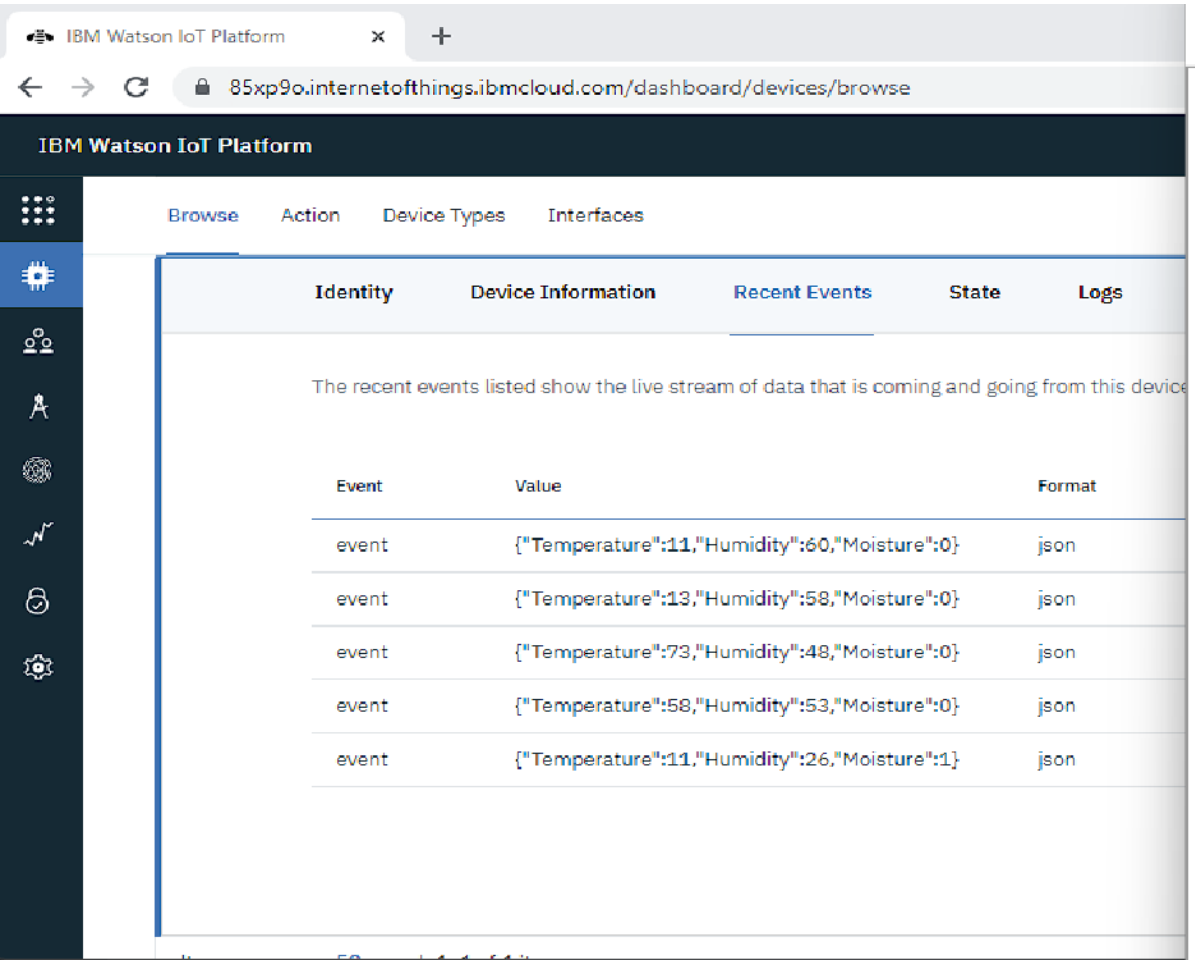
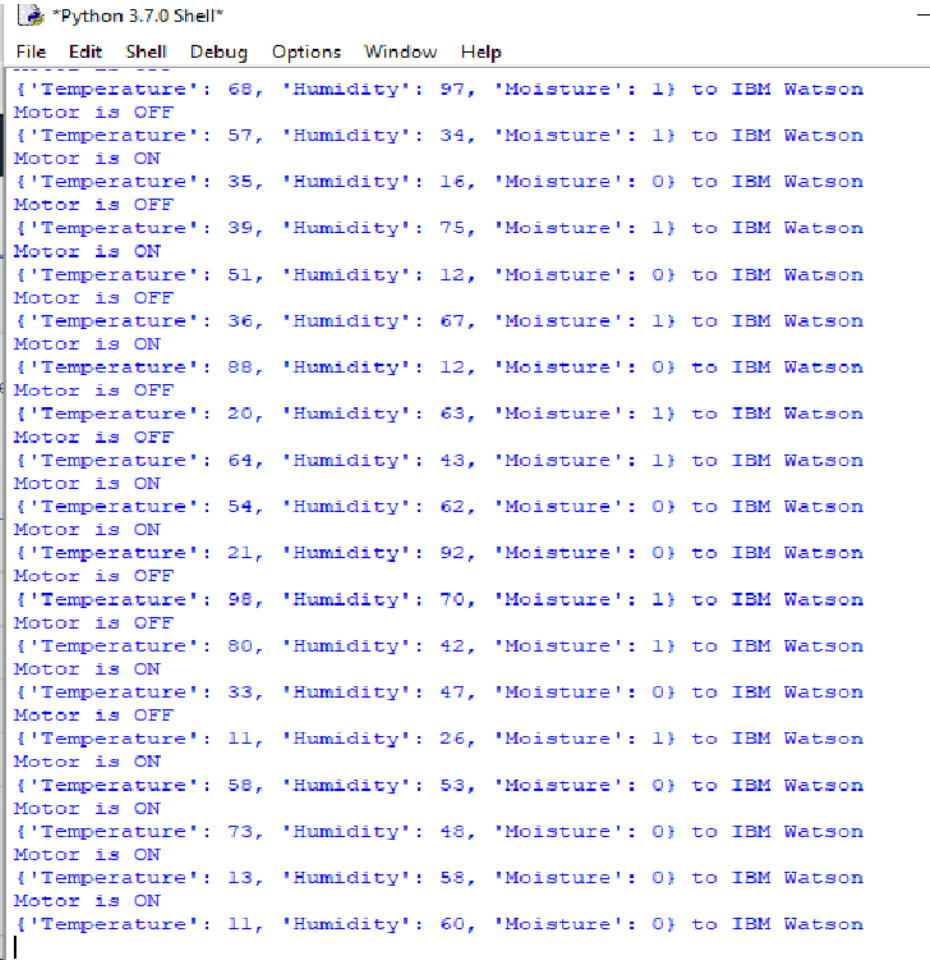
File Edit Format Run Options Window Help

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "85xp9o" # repalce it with organization ID
deviceType = "IoT" #replace it with device type
deviceId = "0423" #repalce with device id
authMethod = "token"
authToken = "123456789"#repalce with token
try:
        deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
        deviceCli = ibmiotf.device.Client(deviceOptions)
        #.....................................
except Exception as e:
        print("Caught exception connecting device: %s" % str(e))
        sys.exit()
deviceCli.connect()
while True:
        T=random.randint(0,100)
        H=random.randint(0,100)
        M=random.randint(0,1)
        data = { 'Temperature' : T, 'Humidity': H, 'Moisture': M}
        #print data
        def myOnPublishCallback():
            print (data, "to IBM Watson")
        if(M<1):
            print("Motor is ON")
        else:
            print("Motor is OFF")
        success = deviceCli.publishEvent("event", "json", data, qos=0, on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IoTF")
        time.sleep(1)
# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

Ln: 21 Col: 0


IBM Watson IoT Platform
85xp9o.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
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
event
{"Temperature":11,"Humidity":60,"Moisture":0}
json
event
{"Temperature":13,"Humidity":58,"Moisture":0}
json
event
{"Temperature":73,"Humidity":48,"Moisture":0}
json
event
{"Temperature":58,"Humidity":53,"Moisture":0}
json
event
{"Temperature":11,"Humidity":26,"Moisture":1}
json


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
{'Temperature': 68, 'Humidity': 97, 'Moisture': 1} to IBM Watson
Motor is OFF
{'Temperature': 57, 'Humidity': 34, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 35, 'Humidity': 16, 'Moisture': 0} to IBM Watson
Motor is OFF
{'Temperature': 39, 'Humidity': 75, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 51, 'Humidity': 12, 'Moisture': 0} to IBM Watson
Motor is OFF
{'Temperature': 36, 'Humidity': 67, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 88, 'Humidity': 12, 'Moisture': 0} to IBM Watson
Motor is OFF
{'Temperature': 20, 'Humidity': 63, 'Moisture': 1} to IBM Watson
Motor is OFF
{'Temperature': 64, 'Humidity': 43, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 54, 'Humidity': 62, 'Moisture': 0} to IBM Watson
Motor is ON
{'Temperature': 21, 'Humidity': 92, 'Moisture': 0} to IBM Watson
Motor is OFF
{'Temperature': 98, 'Humidity': 70, 'Moisture': 1} to IBM Watson
Motor is OFF
{'Temperature': 80, 'Humidity': 42, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 33, 'Humidity': 47, 'Moisture': 0} to IBM Watson
Motor is OFF
{'Temperature': 11, 'Humidity': 26, 'Moisture': 1} to IBM Watson
Motor is ON
{'Temperature': 58, 'Humidity': 53, 'Moisture': 0} to IBM Watson
Motor is ON
{'Temperature': 73, 'Humidity': 48, 'Moisture': 0} to IBM Watson
Motor is ON
{'Temperature': 13, 'Humidity': 58, 'Moisture': 0} to IBM Watson
Motor is ON
{'Temperature': 11, 'Humidity': 60, 'Moisture': 0} to IBM Watson