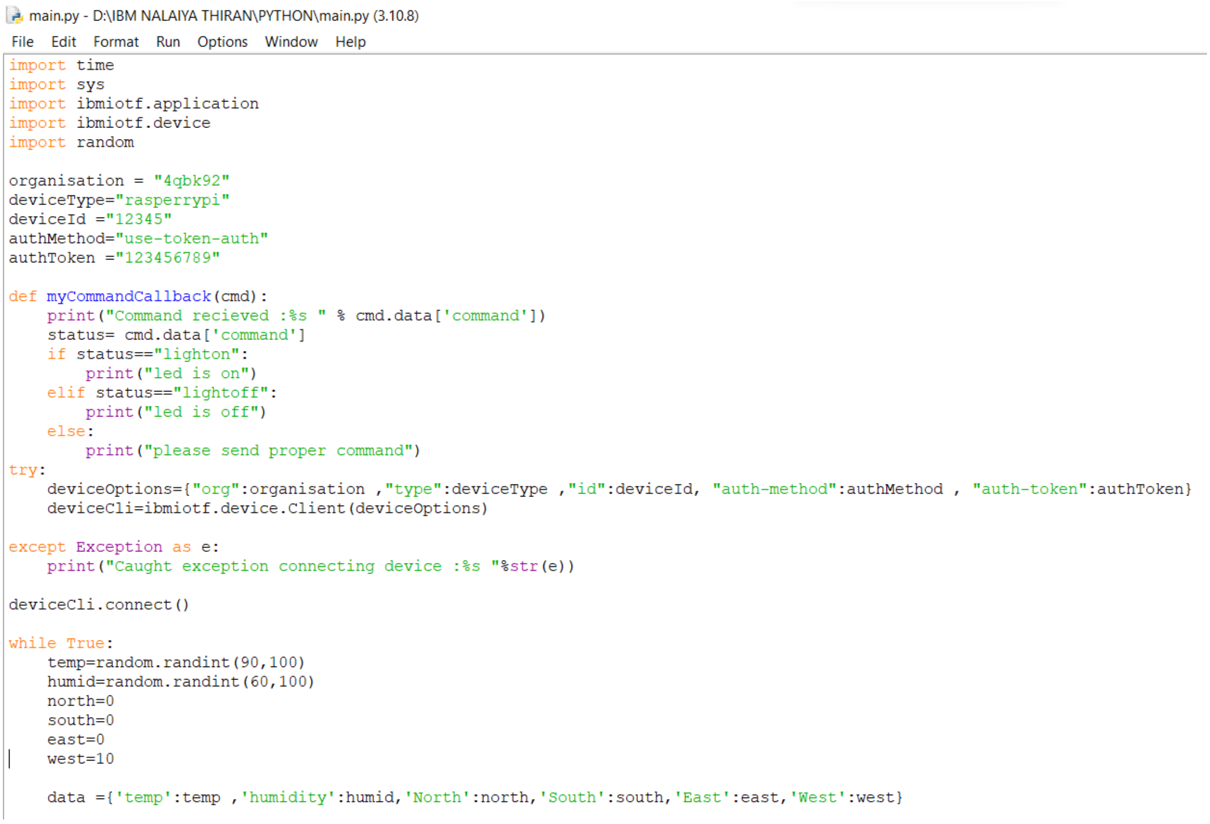
PUBLISH DATA TO IBM CLOUD

```
import sys
import ibmiotf.application
import ibmiotf.device
import random

organisation = "4qbk92"
deviceType="rasperrypi"
deviceId ="12345"
authMethod="use-token-auth"
authToken ="123456789"

def myCommandCallback(cmd):
    print("Command recieved :%s " % cmd.data['command'])
    status= cmd.data['command']
    if status=="lighton":
        print("led is on")
    elif status=="lightoff":
        print("led is off")
    else:
        print("please send proper command")
try:
    deviceOptions={"org":organisation ,"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))
deviceCli.connect()
while True:
    temp=random.randint(90,100)
    humid=random.randint(60,100)
    north=0
    south=0
    east=0
    west=10

    data ={'temp':temp ,'humidity':humid,'North':north,'South':south,'East':east,'West':west}

    def myOnPublishCallback():
        print("Published Temperature=%s C" %temp,"Humidity=%s %%" %humid,"to IBM
WATSON")

success=deviceCli.publishEvent("IOTSENSOR","json",data,qos=0,on_publish=myOnPublishCa
llback)
    if not success:
        print("Not connected to IoTF")
    time.sleep(10)
    deviceCli.commandCallback= myCommandCallback

deviceCli.disconnect()
```


main.py - D:\IBM NALAIYA THIRAN\PYTHON\main.py (3.10.8)
File Edit Format Run Options Window Help

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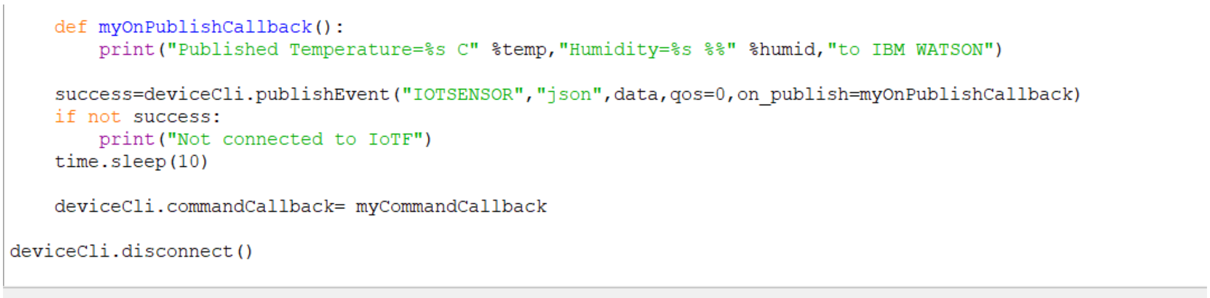

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    def myOnPublishCallback():
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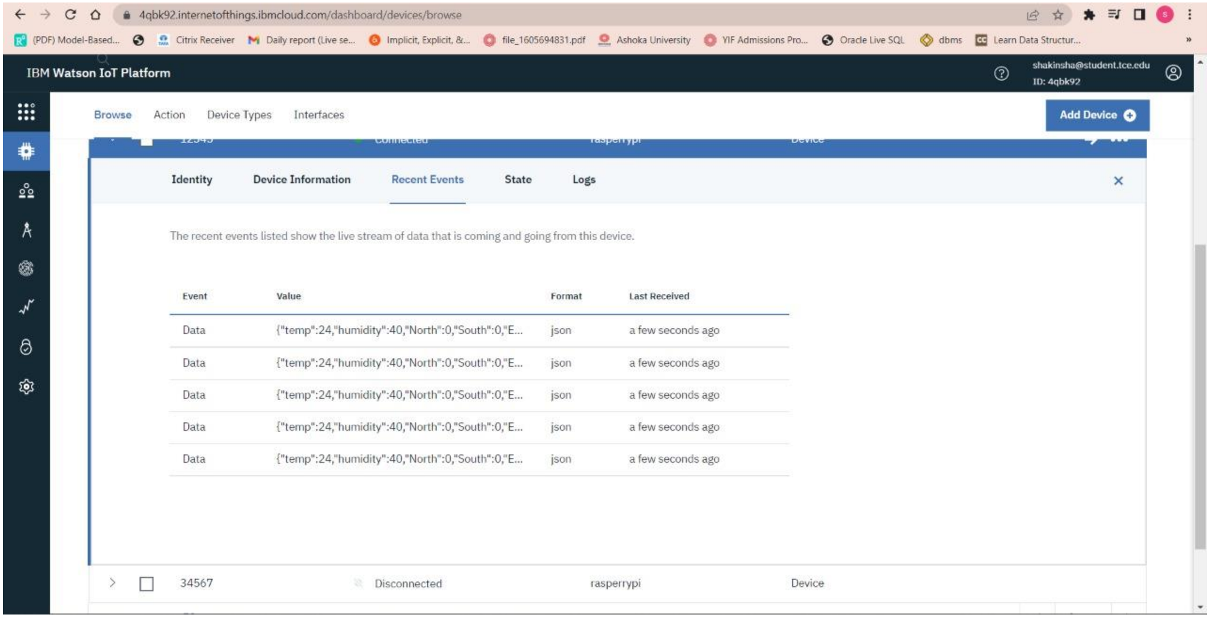

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Data	{"temp":24,"humidity":40,"North":0,"South":0,"E...	json	a few seconds ago
Data	{"temp":24,"humidity":40,"North":0,"South":0,"E...	json	a few seconds ago
Data	{"temp":24,"humidity":40,"North":0,"South":0,"E...	json	a few seconds ago
Data	{"temp":24,"humidity":40,"North":0,"South":0,"E...	json	a few seconds ago
Data	{"temp":24,"humidity":40,"North":0,"South":0,"E...	json	a few seconds ago

□ 34567 Disconnected rasperrypi Device