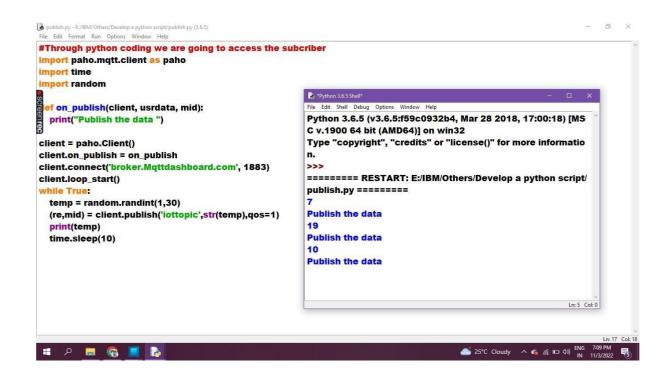
## Develop a python script Publish Data to the IBM Cloud

Date	13 November 2022
Team ID	PNT2022TMID45401
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

## **Submitted by:**

Team leader :- K.S.Dinesh Kumar Team member:- U.Mohamed Aashiq Team member:- S.Poonthamilan Team member:- J.Samuvel Stephens

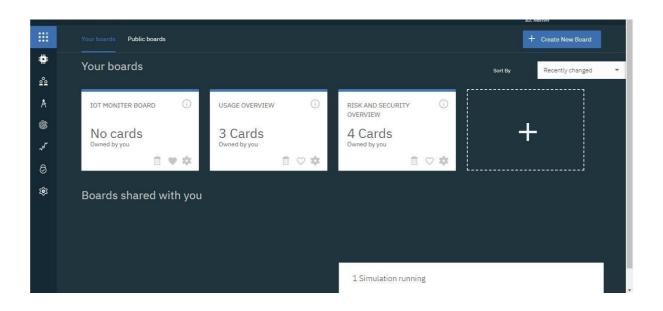
## Signs with smart connectivity for Better road safety

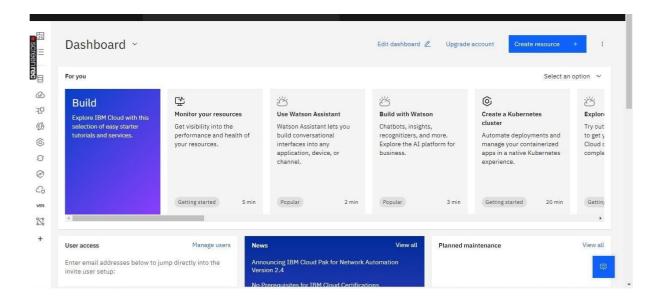


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Ln: 5 Col: 0
Ln: 2 Col: 15

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\text{In: 5 Col: 0} \\
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         V PYTHON
Ф
                                                    1 #IBM Watson IOT Platform
                                                           import wiotp.sdk.device
                                                          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()
                                                          while True:
temp=random.randint(-20,125)
temp=random.randint(=2.0,12.3)
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
                                                   26 client.disconnect()
                                                  PROBLEMS 1 OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
                                                                                                                                                                                                                                                                          ≥ Code
         > TIMELINE
```

## **CODE:**

```
#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()
while True:
temp=random.randint(-20,125)
hum-random.randint(0,100)
myData={'temperature': temp, 'humidity':hum}
client.publishEvent(eventId="status", msgFormat="json", data=nyData, qos=0, onPublish=None)
print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback
time.sleep(2)
```

client.disconnect