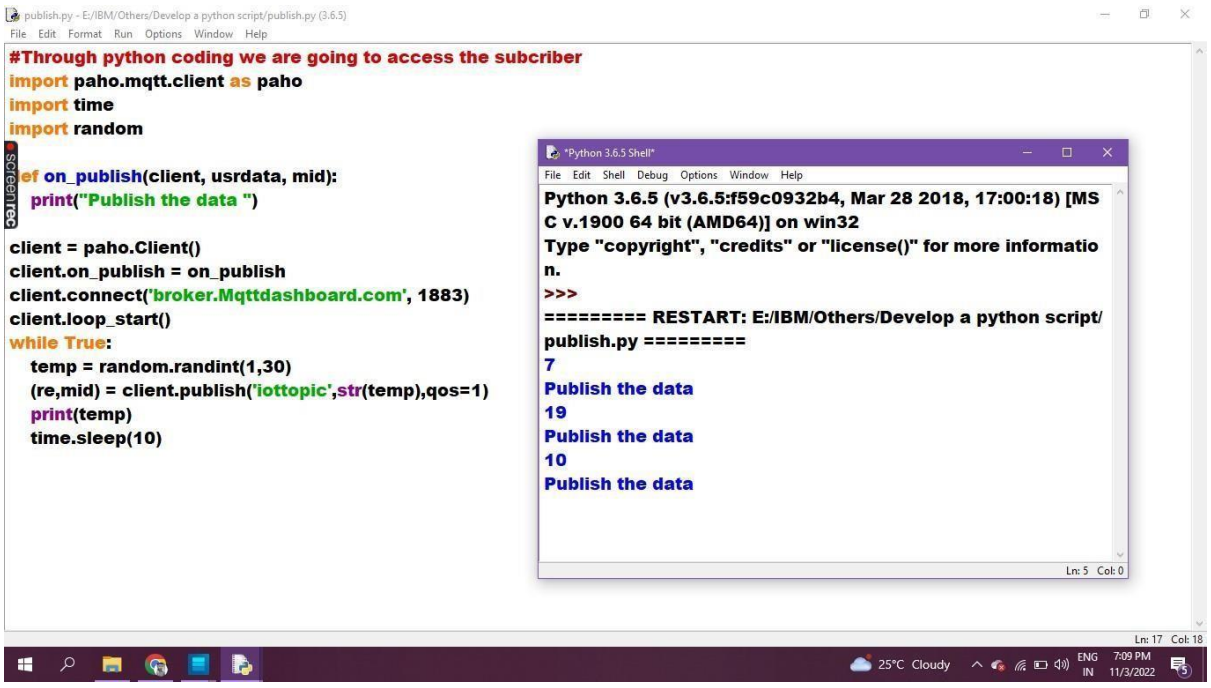
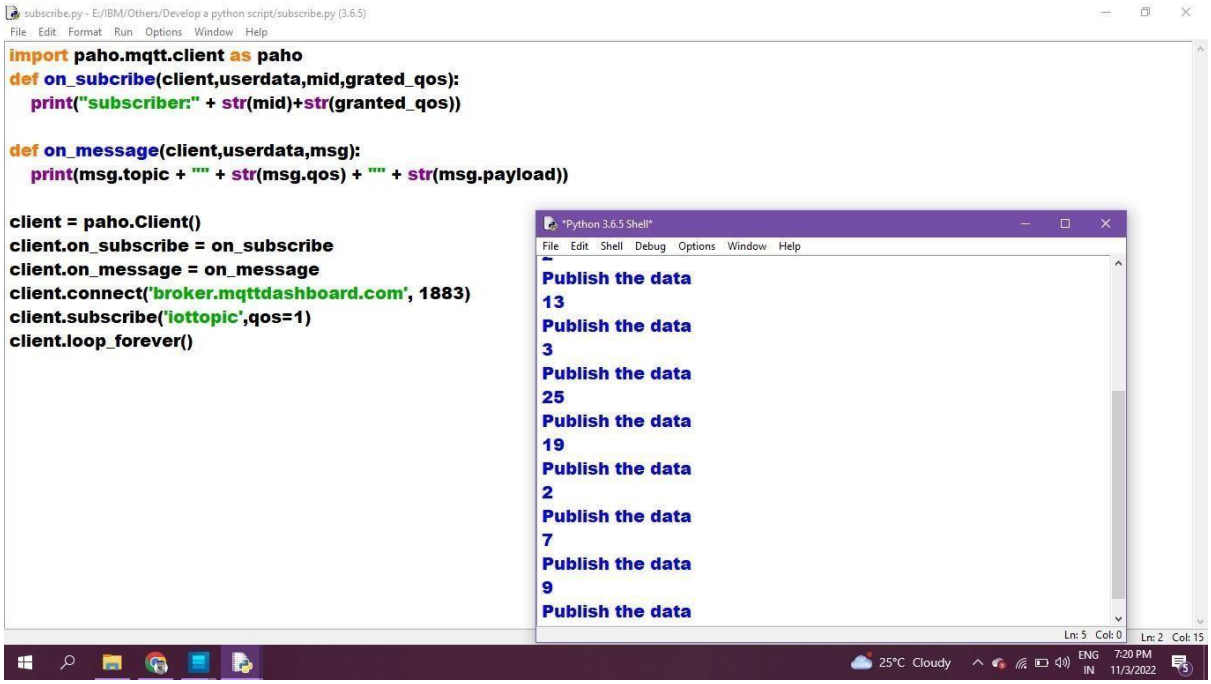
Develop a python script Publish
Data to the IBM Cloud

Date	13 November 2022
Team ID	PNT2022TMID17531
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

Signs with smart connectivity for Better road safety




subscribe.py - E:/IBM/Others/Develop a python script/subscribe.py (3.6.5)
File Edit Format Run Options Window Help
import paho.mqtt.client as paho
def on_subcribe(client,userdata,mid,grated_qos):
print("subscriber:" + str(mid)+str(granted_qos))
def on_message(client,userdata,msg):
print(msg.topic + "" + str(msg.qos) + "" + str(msg.payload))
client = paho.Client()
client.on_subscribe = on_subscribe
client.on_message = on_message
client.connect('broker.mqttdashboard.com', 1883)
client.subscribe('iottopic',qos=1)
client.loop_forever()
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help
Publish the data
13
Publish the data
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25°C Cloudy
ENG
IN
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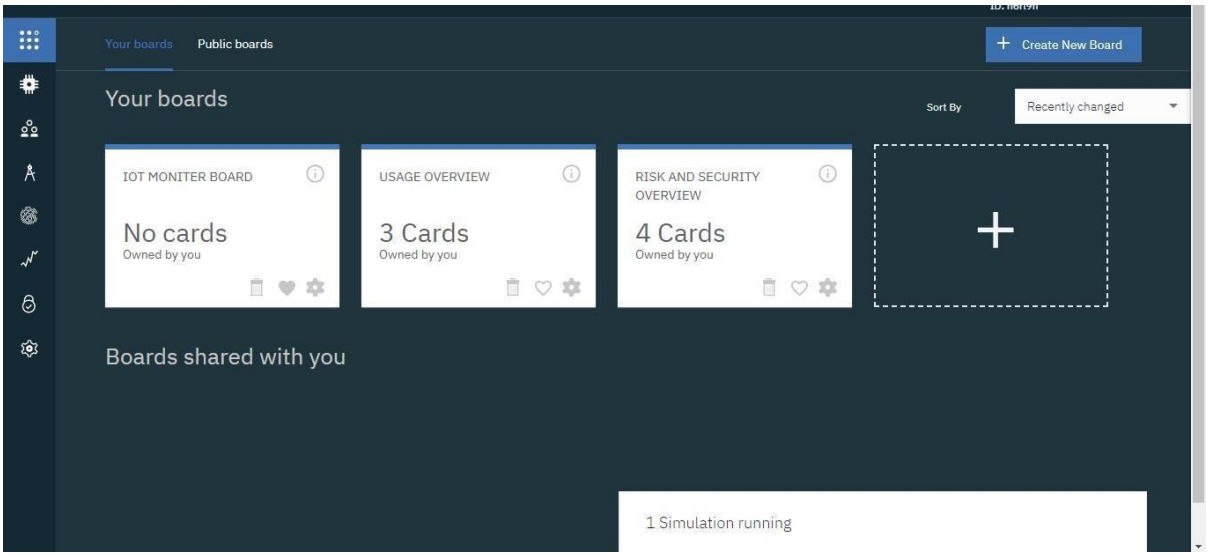
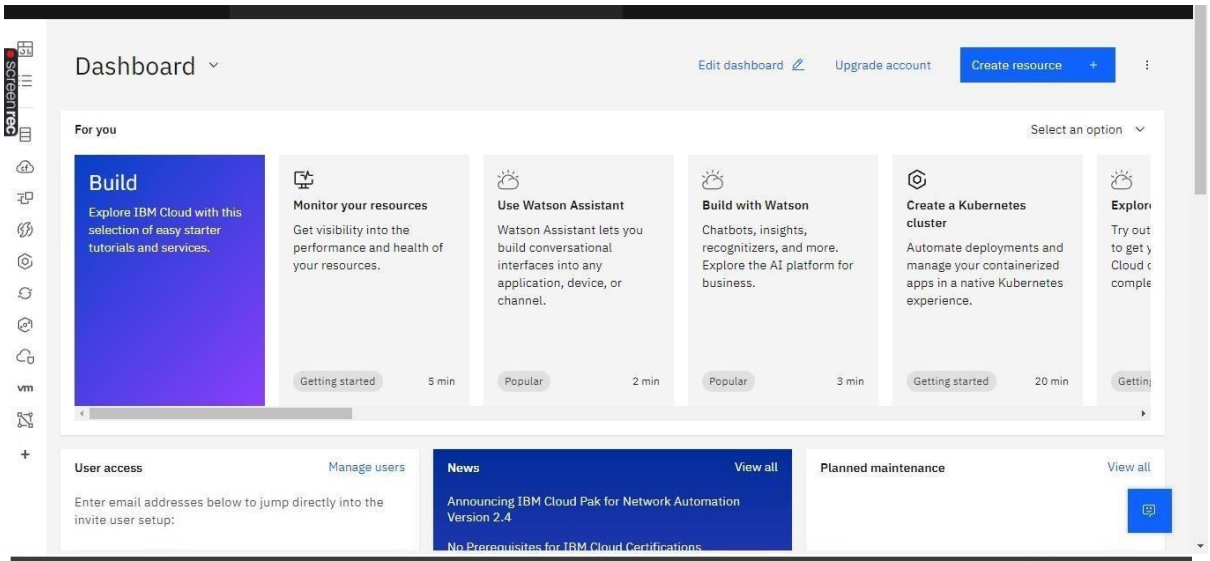
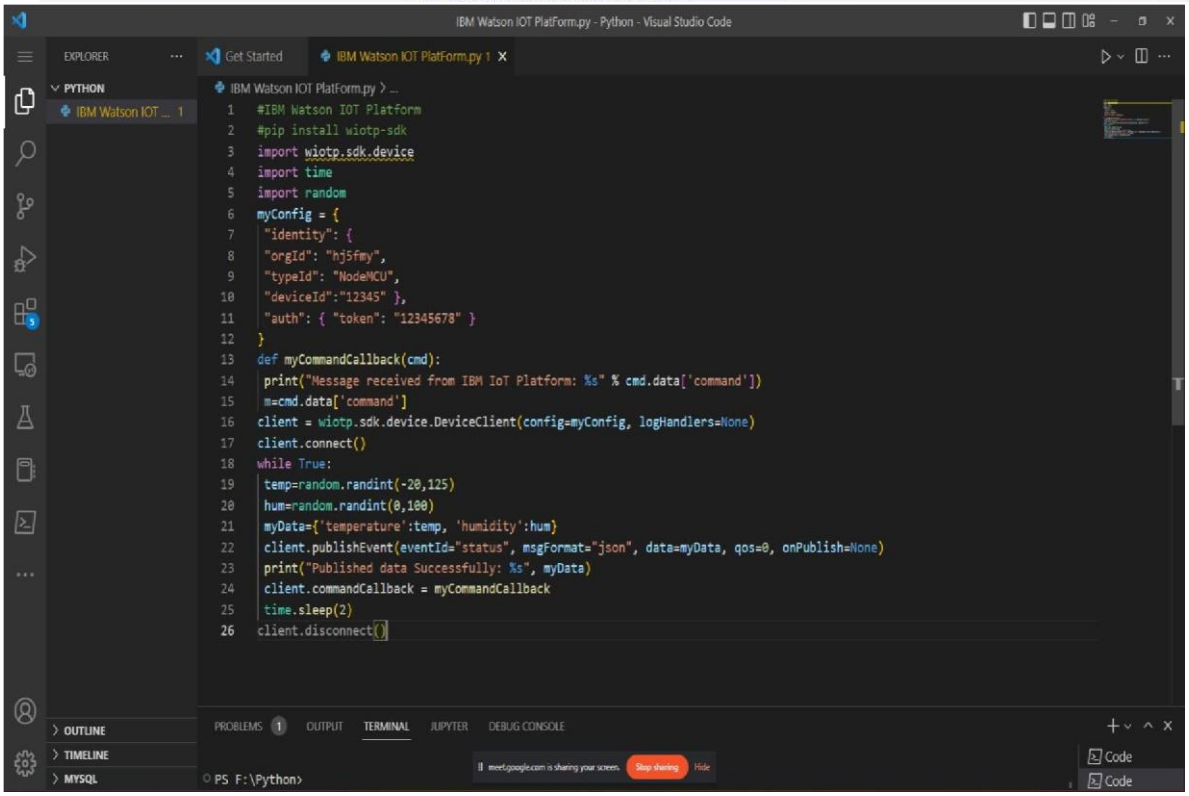

Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
IOT MONITER BOARD
No cards
Owned by you
USAGE OVERVIEW
3 Cards
Owned by you
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
Boards shared with you
1 Simulation running





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(con

fig=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
```