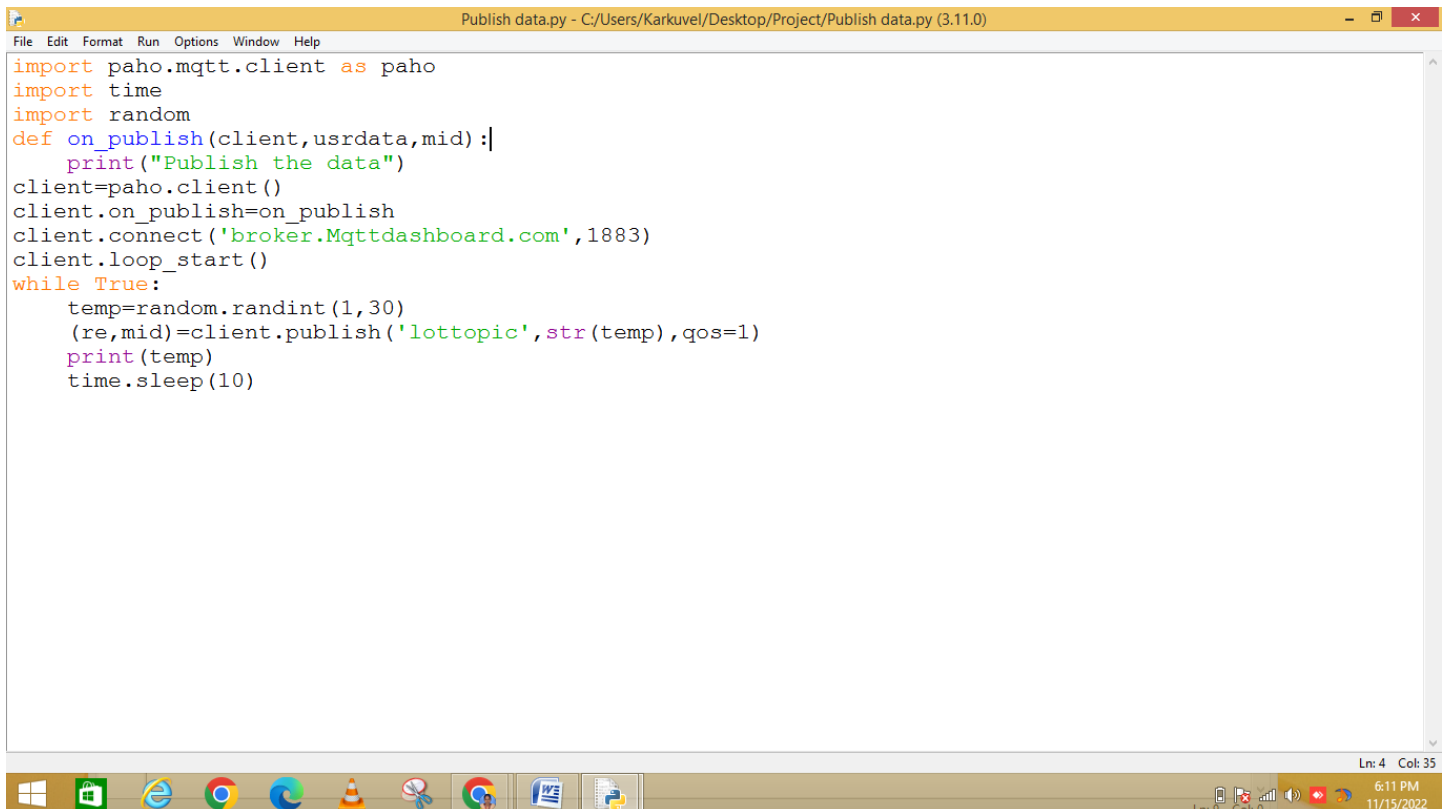


**Develop a python script
Publish Data to the IBM Cloud**

Date	12 November 2022
Team ID	PNT2022TMID48694
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

Signs with smart connectivity for Better road safety



```
File Edit Format Run Options Window Help
Publish data.py - C:/Users/Karkuvel/Desktop/Project/Publish data.py (3.11.0)
import paho.mqtt.client as paho
import time
import random
def on_publish(client,usrdata,mid):|
    print("Publish the data")
client=paho.client()
client.on_publish=on_publish
client.connect('broker.Mqttdashboard.com',1883)
client.loop_start()
while True:
    temp=random.randint(1,30)
    (re,mid)=client.publish('lottopic',str(temp),qos=1)
    print(temp)
    time.sleep(10)
```

Ln: 4 Col: 35



IBM Watson Io...
netofthings.ibmcloud.com



IBM Watson IoT Platform



divyadharshinipr@gmail.com
ID: 0s3sye



Your boards

Public boards

+ Create New Board



PORKODI



No cards

Owned by you



USAGE OVERVIEW



3 Cards

Owned by you



RISK AND SECURITY
OVERVIEW



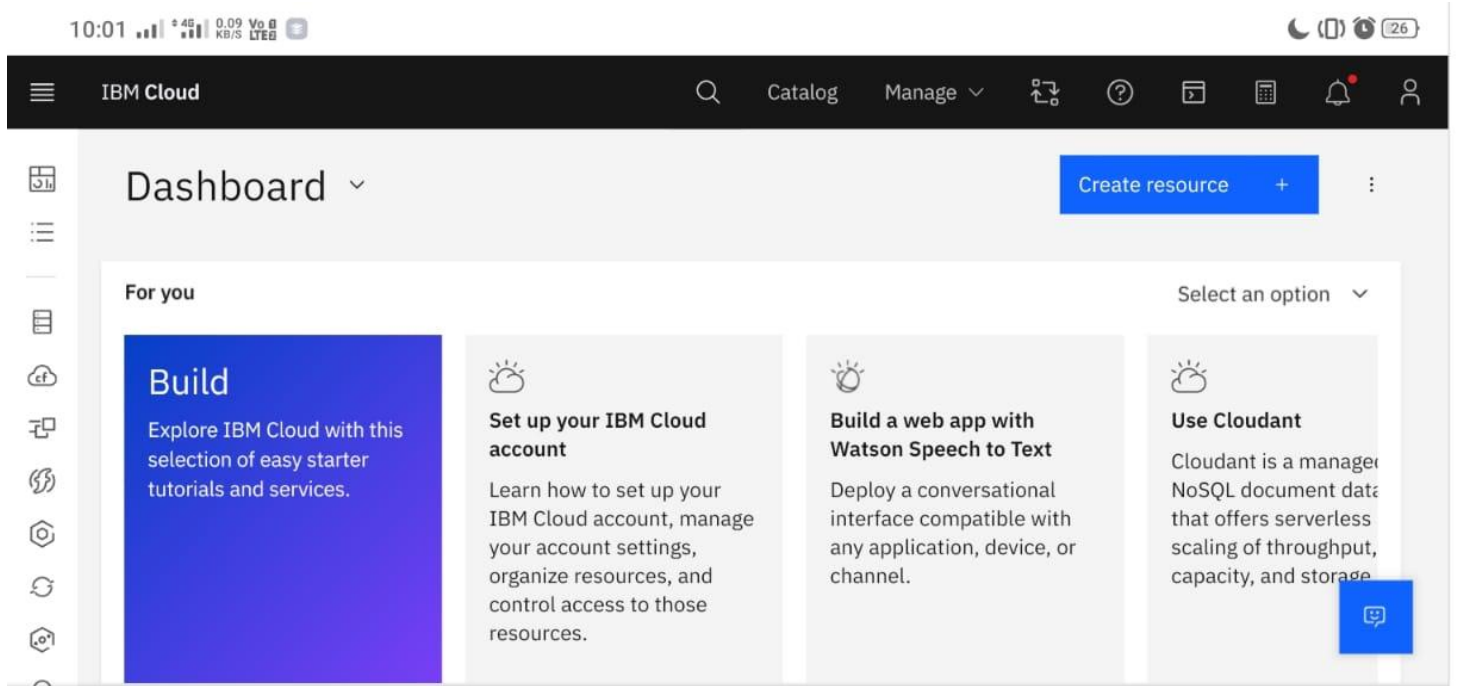
4 Cards

Owned by you



Boards shared with you

1 Simulation running



Program :

#IBM Watson Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

"identity": { "orgId":

" b59mry ",

"typeId": "Node",

"deviceId": "1111" },

"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=myData, qos=0, onPublish=None)**

print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallback

time.sleep(2)

client.disconnect()

