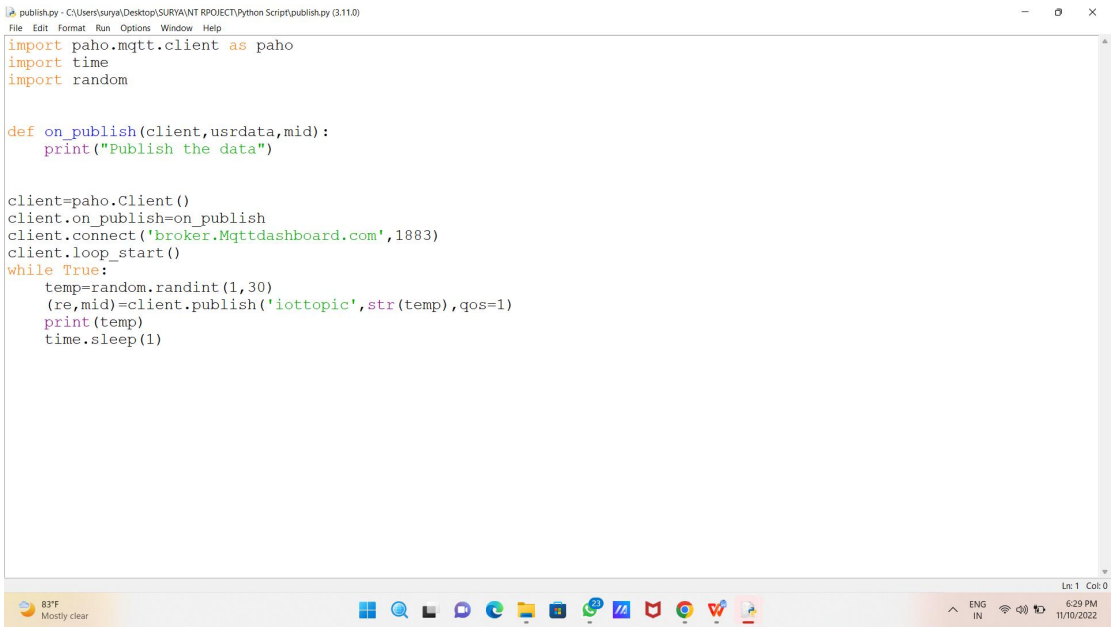
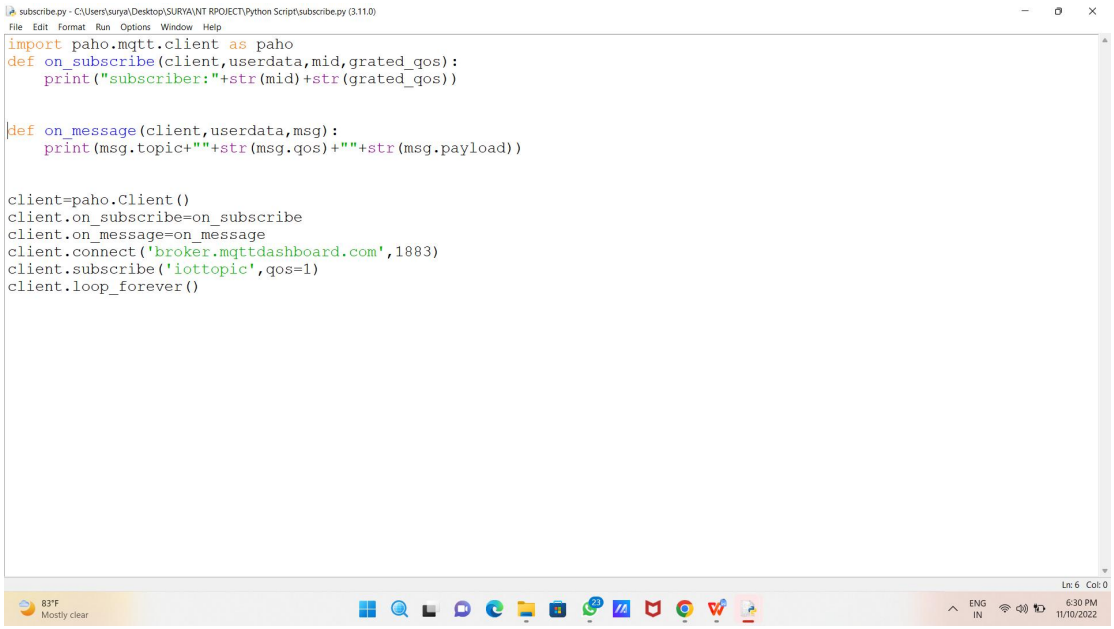
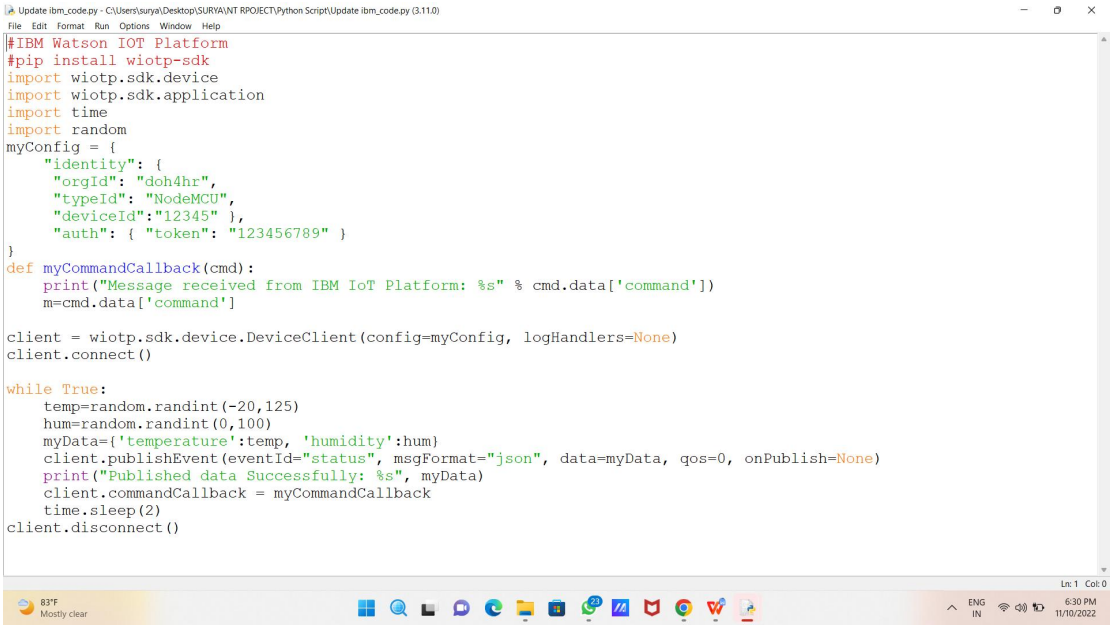
Publish Data to IBM cloud

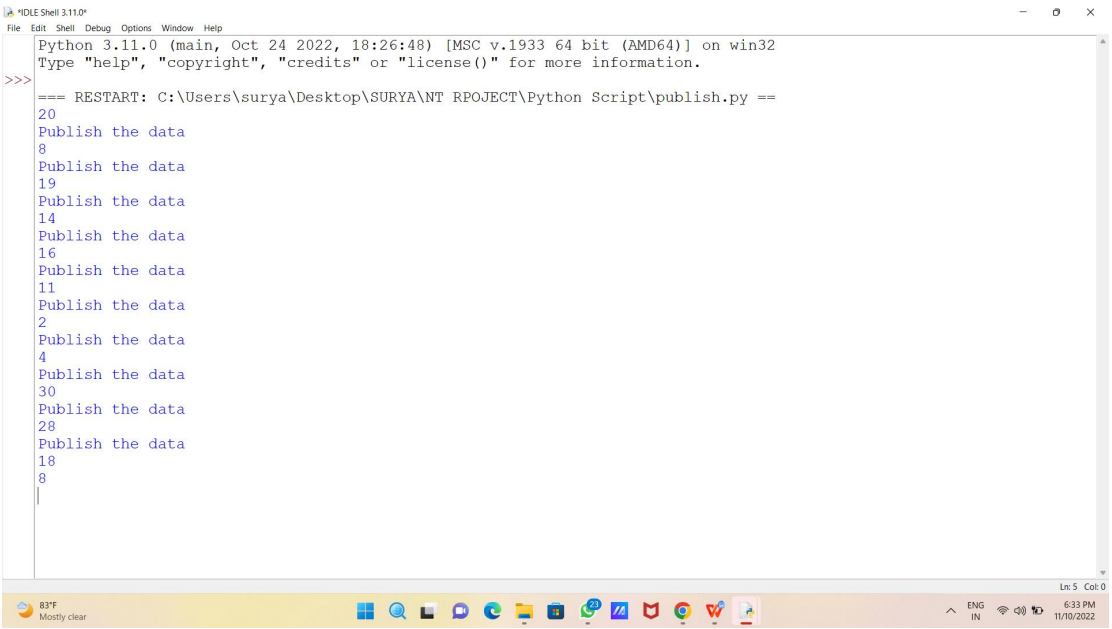
Date	30 October 2022
Team ID	PNT2022TMID12612
Project Name	Signs with Smart Connectivity for Better RoadSafety

Python Code






Update ibm_code.py - C:\Users\surya\Desktop\SURYA\NT RPOJECT\Python Script\Update ibm_code.py (3.11.0)
File Edit Format Run Options Window Help
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import wiotp.sdk.application
import time
import random
myConfig = {
"identity": {
"orgId": "doh4hr",
"typeId": "NodeMCU",
"deviceId":"12345" },
"auth": { "token": "123456789" }
}
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()
Ln: 1 Col: 0
83°F
Mostly clear
ENG
IN
6:30 PM
11/10/2022


IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\surya\Desktop\SURYA\NT RPOJECT\Python Script\publish.py ==
20
Publish the data
8
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19
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28
Publish the data
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Ln: 5 Col: 0
83°F
Mostly clear
ENG
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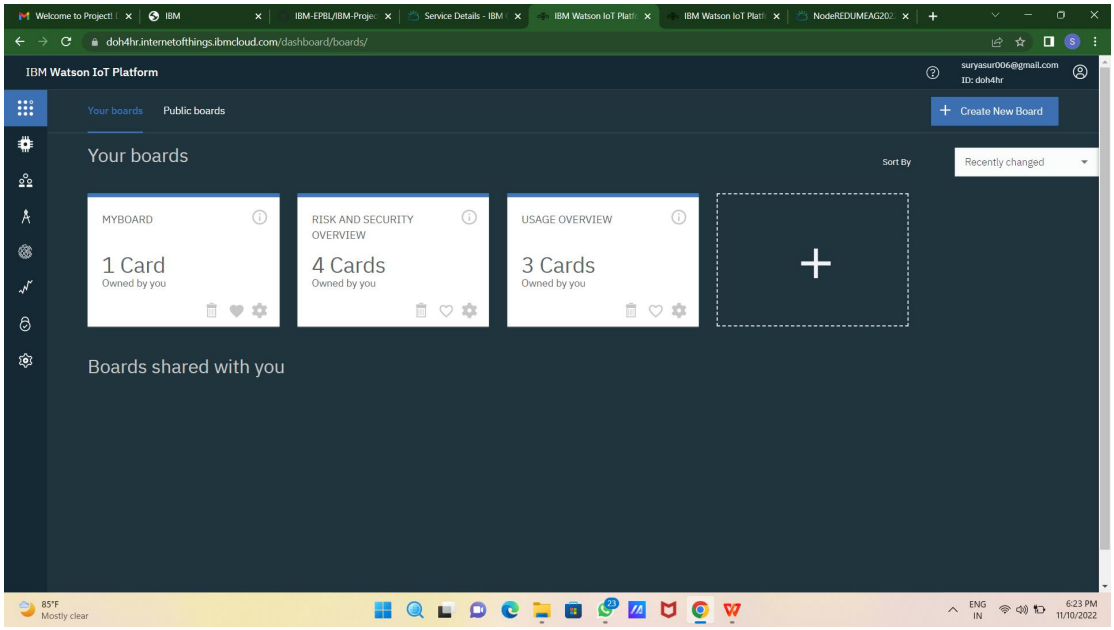
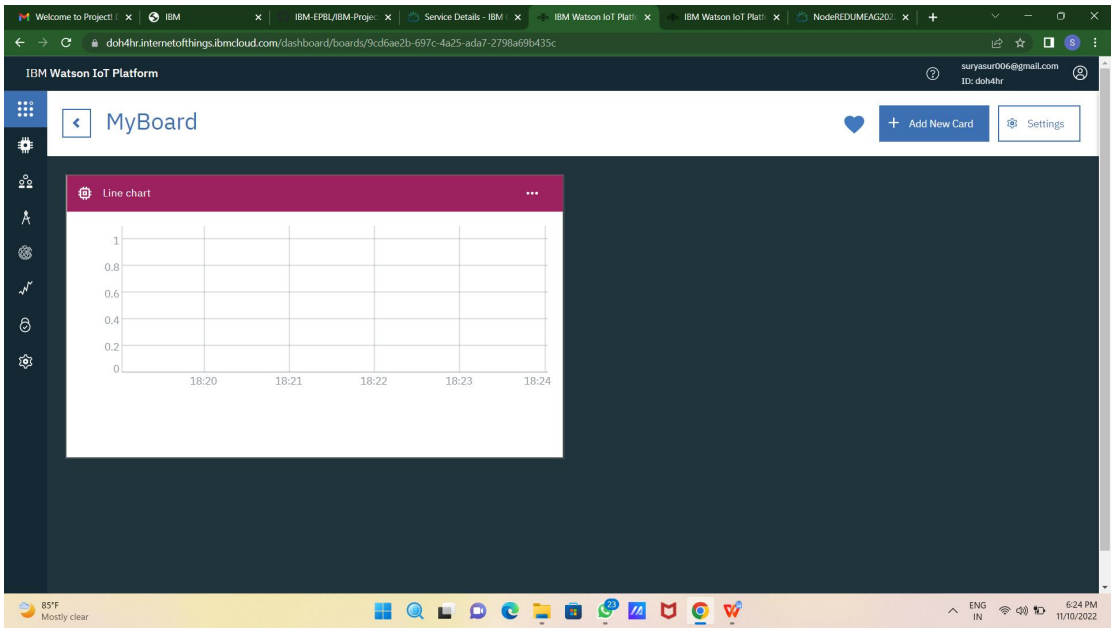
6:33 PM
11/10/2022



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