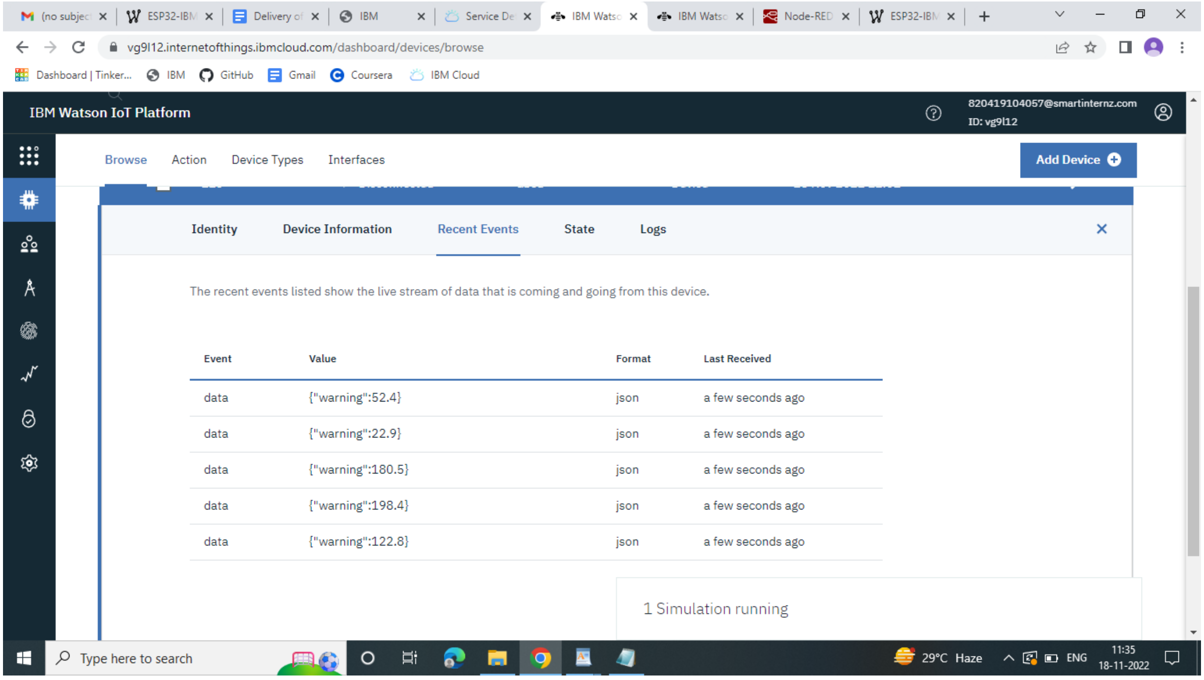
PUBLISH DATA TO THE IBM CLOUD

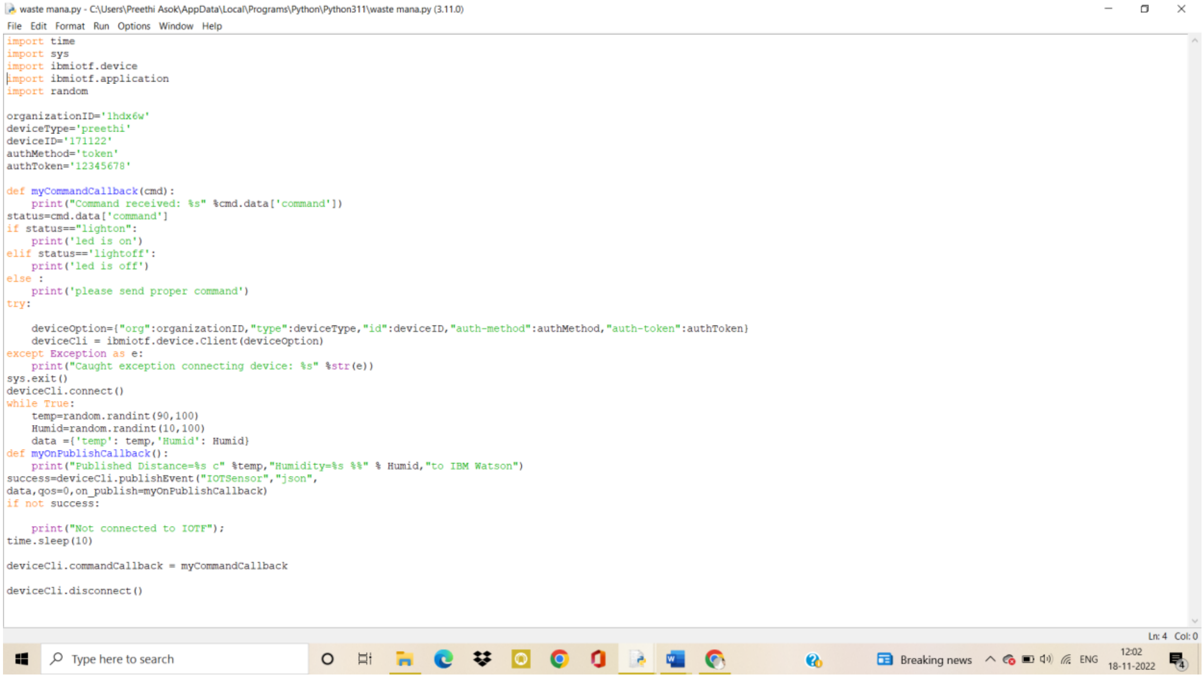
TEAMID	PNT2022TMID32932
PROJECT NAME	Smart Waste Management System For Metropolitan Cities



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

Event	Value	Format	Last Received
data	{"warning":52.4}	json	a few seconds ago
data	{"warning":22.9}	json	a few seconds ago
data	{"warning":180.5}	json	a few seconds ago
data	{"warning":198.4}	json	a few seconds ago
data	{"warning":122.8}	json	a few seconds ago

1 Simulation running



waste mana.py - C:\Users\Preethi Asok\AppData\Local\Programs\Python\Python311\waste mana.py (3.11.0)
File Edit Format Run Options Window Help
Ln: 4 Col: 0
Type here to search
Breaking news
ENG
12:02
18-11-2022

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

organizationID='1hdx6w'
deviceType='preethi'
deviceID='171122'
authMethod='token'
authToken='12345678'

def myCommandCallback(cmd):
    print("Command received: %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:

    deviceOption={"org":organizationID,"type":deviceType,"id":deviceID,"auth-method":authMethod,"auth-token":authToken}
    deviceCli = ibmiotf.device.Client(deviceOption)
except Exception as e:
    print("Caught exception connecting device: %s" %str(e))
sys.exit()
deviceCli.connect()
while True:
    temp=random.randint(90,100)
    Humid=random.randint(10,100)
    data ={'temp': temp,'Humid': Humid}
def myOnPublishCallback():
    print("Published Distance=%s c" %temp,"Humidity=%s %%" % Humid,"to IBM Watson")
success=deviceCli.publishEvent("IOTSensor","json",
data,qos=0,on_publish=myOnPublishCallback)
if not success:

    print("Not connected to IOTF");
time.sleep(10)

deviceCli.commandCallback = myCommandCallback

deviceCli.disconnect()
```