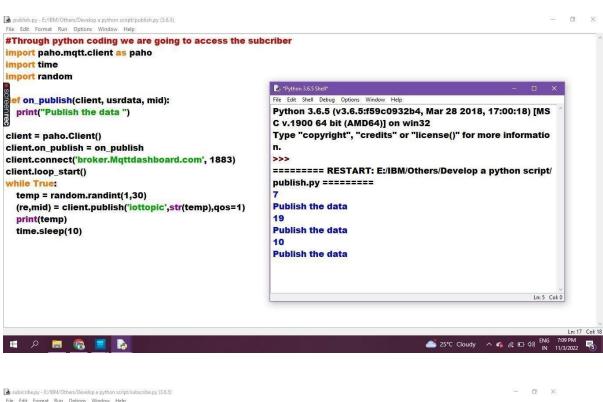
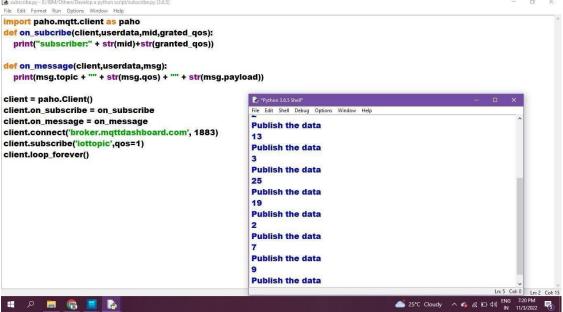
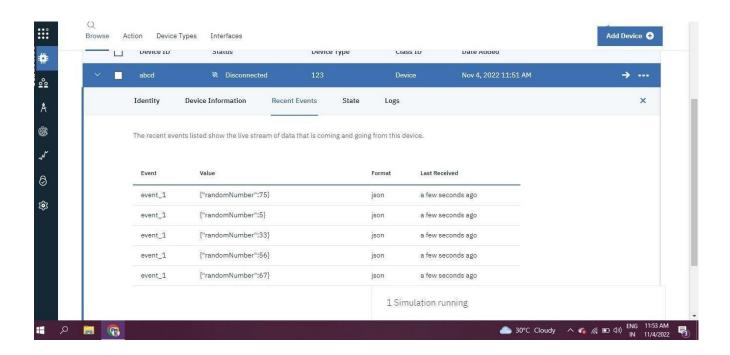
Develop a python script Publish Data to the IBM Cloud

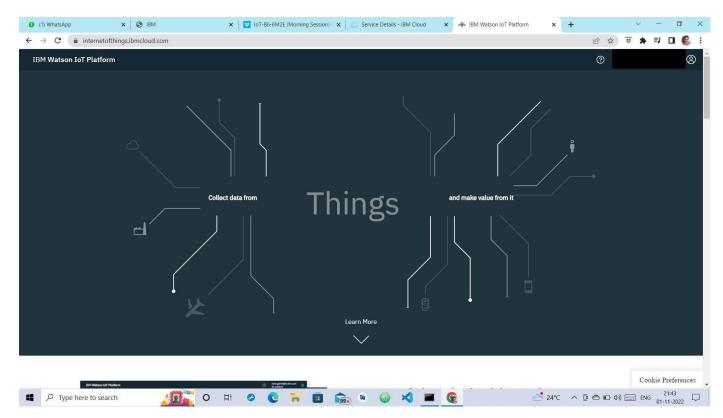
Date	15 November 2022
Team ID	PNT2022TMID27367
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES
Maximum Marks	4 Marks

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES









Program:

#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=myData, qos=0, onPublish=None)
     print("Published data Successfully: %s", myData)
     client.commandCallback = myCommandCallback
     time.sleep(2)
   client.disconnect()
```