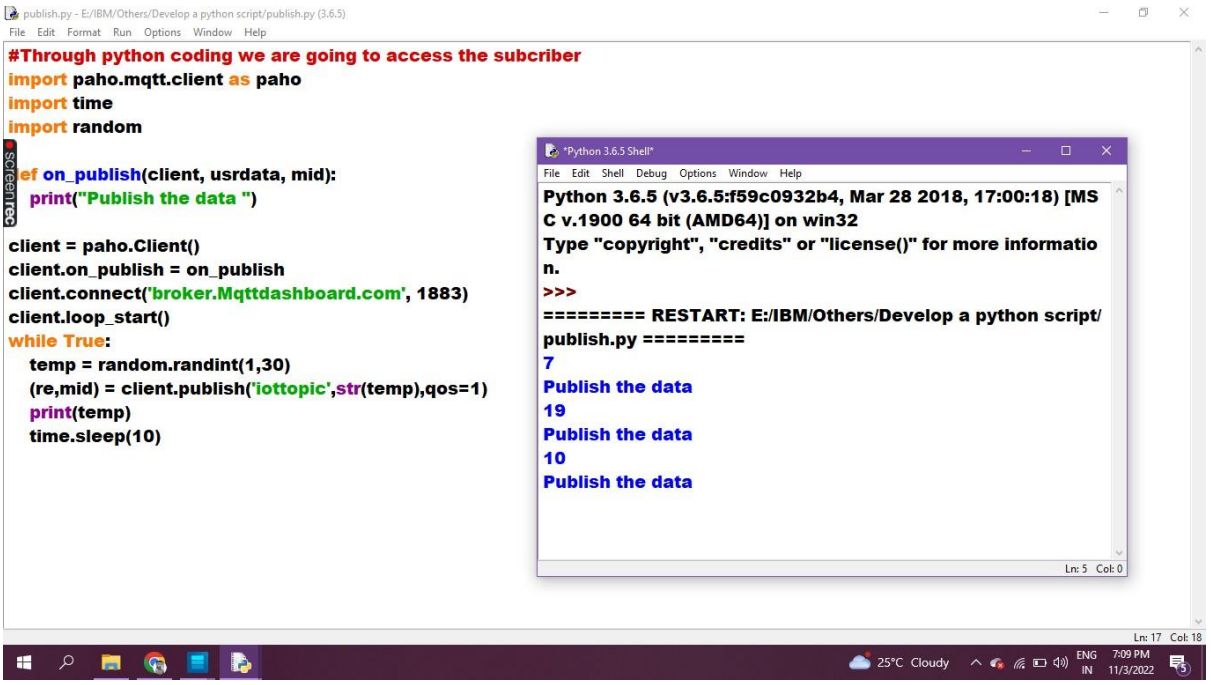
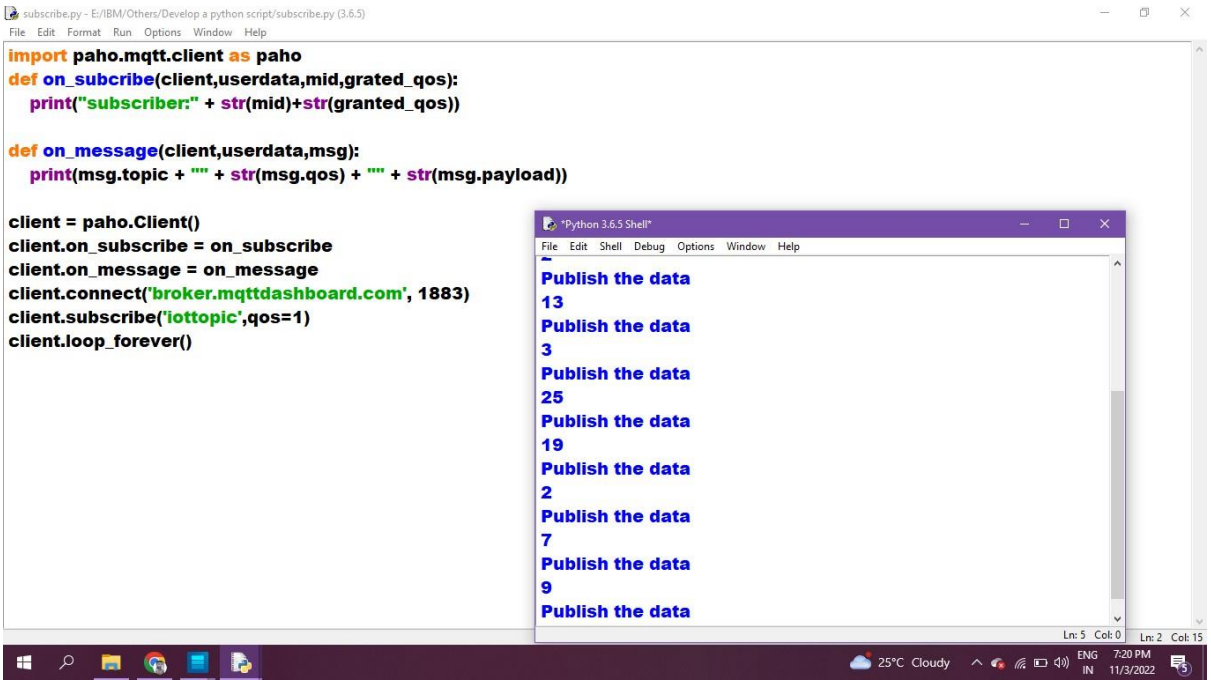
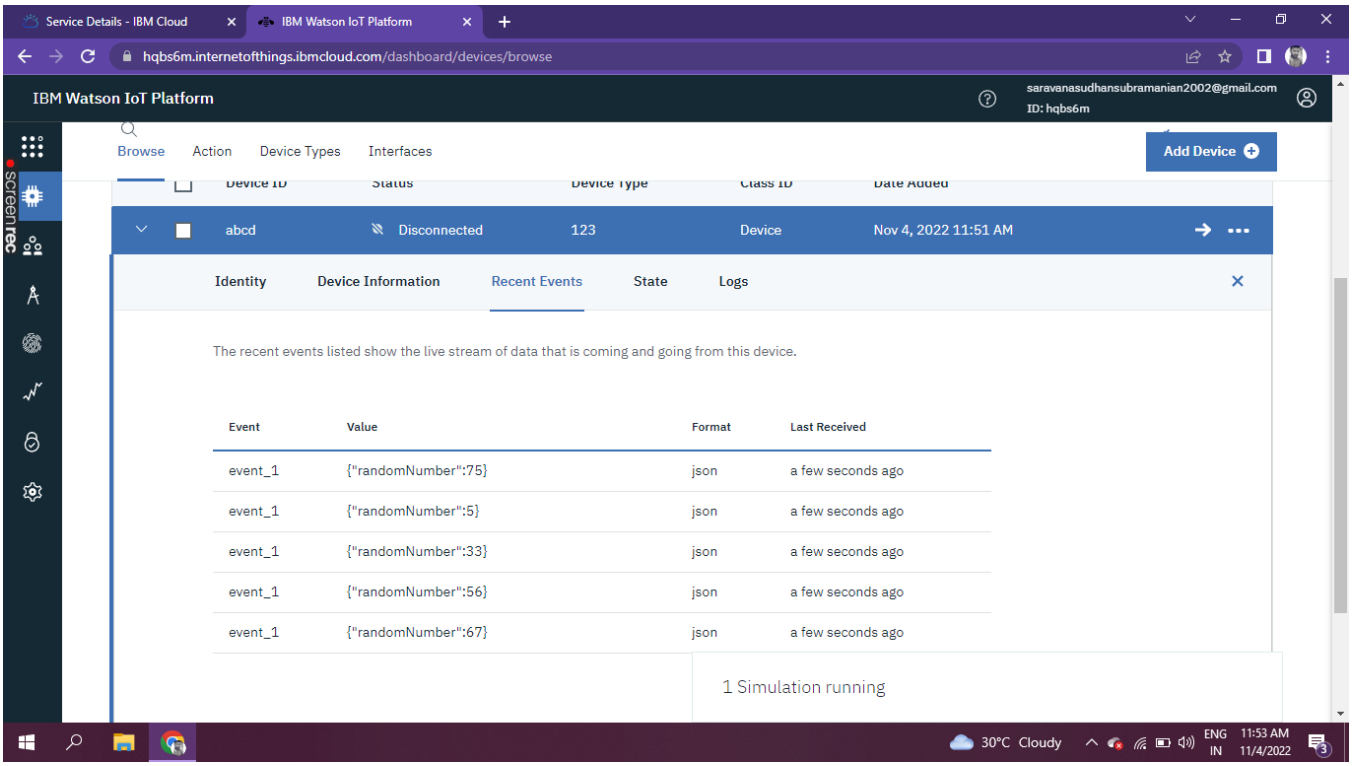
Develop a python script
Publish Data to the IBM Cloud

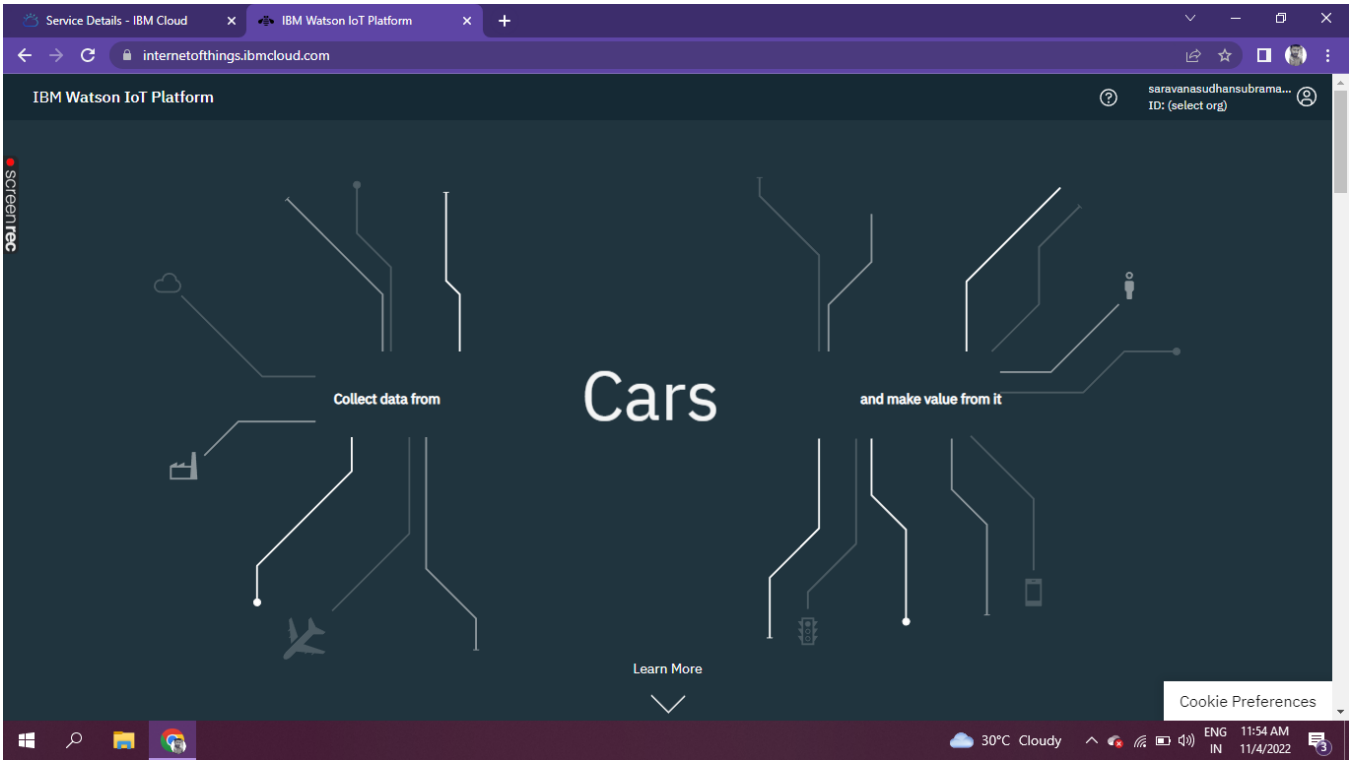
Date	04 November 2022
Team ID	PNT2022TMID13627
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES
Maximum Marks	4 Marks

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()
```