Publish Data to the IBM Cloud

Team ID	PNT2022TMID46042
Project Name	Smart Waste Management System For
	Metropolitan Cities

PYTHON SCRIPT

```
- o ×
PythonScript.py - C:/Python/Python37/PythonScript.py (3.7.4)
 File Edit Format Run Options Window Help
 import time
 import sys
import ibmiotf.application
import ibmiotf.device
 import random
#Provide your IBM Watson Device Credentials
organization = "dluuhi"
deviceType = "SWMS"
deviceId = "6032"
authMethod = "token"
authToken = "311519106032"
 # Initialize GPIO
 def myCommandCallback(cmd):
     myCommandCallback(cmd):
print("Command received: %s" % cmd.data['command'])
status==cmd.data['command']
if status=="lighton":|
    print ("led is on")
else:
    print ("led is off")
      #print(cmd)
            deviceOntions = {"ora": organization "type": deviceTupe "id": deviceTd "auth-method": authMethod "auth-token": deviceOptions - { org : organization, "type : deviceType, id : deviceTd, auth-method : authMethod, auth-token : deviceCli = ibmiotf.device.Client(deviceOptions)
 except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
            sys.exit()
 # Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
 while True:
            #Get Sensor Data from DHT11
            temp=random.randint(0,100)
            Humid=random.randint(0,100)
            data = { 'temp' : temp, 'Humid': Humid }
#print data
def myOnPublishCallback():
                print ("Published Temperature = %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(1)
            deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
                                                                                                                          ₩ 🥬 Type here to search
                                        ४ ₩ 🖋 O ☵ 🧶 🔚 😭 🔞 🧐 🕞
```

OUTPUT:



DATA IN IBM CLOUD PLATFORM:

