Publish Data to the IBM Cloud

| Team ID | PNT2022TMID01720 |
|--------------|-----------------------------------|
| Project Name | Smart Waste Management System For |
| | Metropolitan Cities |

PYTHON SCRIPT

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PythonScript.py - C:/Python/Python37/PythonScript.py (3.7.4)
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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):
    print("Command received: %s" % cmd.data['command'])
      print("Command received: %:
    status=cmd.data['command']
    if status=="lighton":|
        print ("led is on")
    else :
           print ("led is off")
      #print(cmd)
 try:
           deviceOntions = I "ora": organization "type": deviceType, id: deviceId "auth-method": authMethod "auth-token": deviceOptions - { org : organization, type : deviceType, id : deviceId, auth-method : authMethod : auth-token : deviceCli = ibmiotf.device.Client(deviceOptions)
 except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
 # Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
 deviceCli.connect()
            #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()
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OUTPUT:

```
| Post |
```

DATA IN IBM CLOUD PLATFORM:

