Publish Data to the IBM Cloud

Team ID	PNT2022TMID24496
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)
File Edit Format Run Options Window Help
 import time
 import svs
 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'])
    status=cmd.data['command']
    if status=="lighton":|
        print ("led is on")
    else:
          print ("led is off")
     #print(cmd)
 try:
           deviceOptions = /"ard" arganization "!uma" deviceTume "id" deviceTd "auth_method" authMethod "auth_token". V deviceOptions - { org : organization, cype : deviceType, rd : devicerd, addi-method : addimethod, addi-token : deviceCi = ibmiotf.device.Client(deviceOptions)
 sys.exit()
 # 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:

DATA IN IBM CLOUD PLATFORM:

