Publish Data to the IBM Cloud

Team ID	PNT2022TMID19493
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 ipmiotf.application
import ibmiotf.device
 import random
#Provide your IBM Watson Device Credentials
organization = "dluuhi"
deviceType = "SWMS"
deviceId = "6032"
authMethod = "token"
authToken = "311519106032"
# Initialize GPTO
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:
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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()
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OUTPUT:



DATA IN IBM CLOUD PLATFORM:

