## Publish Data to the IBM Cloud

Team ID	PNT2022TMID05379
Project Name	SmartWasteManagementSystemFor

## **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 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 mvCommandCallback(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 = ["orm".ormanization "turns".deviceTurns "id".deviceId "auth-method".authMethod "auth-token".Y deviceOptions = { org : organization, cype : deviceIype, id : deviceId, auth-method : authMethod, auth-token : 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()
 Type here to search
```

## **OUTPUT:**

## DATA IN IBM CLOUD PLATFORM:

