Publish Data to the IBM Cloud

Team ID	PNT2022TMID18390
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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  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 ("led is off")
           #print(cmd)
  try:
                      deviceOntions = ["nra": organization "tyre": deviceTune "id": deviceTd "suth-method": suthMethod "suth-token": deviceOtions = ("org: organization, type: deviceType, id: deviceId, addn-method: addn-method, addn-token: deviceOti = 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()
                      #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:

