import time

import sys

import ibmiotf.application

import ibmiotf.device

#Provide your IBM Watson Device Credentials

organization = "ug0cd7" # repalce it with organization ID

deviceType = "iotproject" #replace it with device type

deviceId = "1827" #repalce with device id

authMethod = "token"

authToken = "1234567890"#repalce with token

def myCommandCallback(cmd):

print("Command received: %s" % cmd.data)

if cmd.data['command']=='lighton':

print("LIGHT ON")

elif cmd.data['command'] == 'lightoff':

print("LIGHT OFF")

try:

deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}

deviceCli = ibmiotf.device.Client(deviceOptions)

#..............................................

except Exception as e:

print("Caught exception connecting device: %s" % str(e))

sys.exit()

deviceCli.connect()

while True:

T=78

V=350

Vol=217

#Send Temperature & Humidity to IBM Watson

data = {"d":{ 'Temperature' : T, 'Vibrations': V ,'Voltage' : Vol}}

#print data

def myOnPublishCallback():

print ("Published Temperature = %s C" % T, "Vibrations = %s C" % V, "Voltage = %s %%" %Vol, "to IBM Watson")

success = deviceCli.publishEvent("event", "json", data, qos=0, on\_publish=myOnPublishCallback)

if not success:

print("Not connected to IoTF")

time.sleep(1)

deviceCli.commandCallback = myCommandCallback

time.sleep(30)