PYTHON SCRIPT

#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

"identity": {

"orgId": "76fcms",

"typeId": "adsdevice",

"deviceId":"1109"

},

"auth": {

"token": "16092001"

}

}

def myCommandCallback(cmd):

print("Message received from IBM IoT Platform: %s" % cmd.data['command'])

m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

while True:

temp=random.randint(0,100)

hum=random.randint(0,100)

soil=random.randint(0,100)

myData={'Temperature':temp,

'Humidity':hum,

'SoilMoisture':soil}

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

if(soil<25):

print("Motor is ON")

else:

print("Motor is OFF")

client.commandCallback = myCommandCallback

time.sleep(2)

client.disconnect()