**FINAL CODE**

import wiotp.sdk.device

import time

import os

import datetime

import random

myconfig = {

"identity": {

"orgId": "ga4sjl",

"typeId": "NodeMCU",

"deviceId": "12345"

},

"auth": {

"token": "CK2!+2FzgnyZFWE9yW"

}

}

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

client.connect()

def myCommandCallback(cmd):

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

m=cmd.data['command']

if(m=="motoron"):

print("motor is switched on")

elif(m=="motoroff"):

print("motor is switched OFF")

print(" ")

while True:

soil=random.randint(0,100)

temp=random.randint(-20,125)

hum=random.randint(0,100)

myData={'soilmoisture':soil, 'temperature' :temp, 'humidity' :hum}

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

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

time.sleep(2)

client.myCommandCallback = myCommandCallback

client.disconnect ()