import wiotp.sdk.device

import time

import os

import datetime

import random

myconfig={

"identity":{

"orgId":"hj5fmy",

"typeId":"Device1",

"deviceId":"67890"

},

"auth":{

"token":"87654321"

}

}

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={'soil\_moisture':soil,'temperature':temp,'humidity':hum}

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

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

time.sleep(2)

client.commandcallback=mycommandcallback

client.disconnect()

