## Python code to publish and subscribe to IBM IoT platform

```
import wiotp.sdk.device
import time import os
import datetime import
random myConfig = {
  "identity": {
    "orgId": "92zbfc",
    "typeId":"ESP32",
    "deviceId":"1234"
    },
    "auth": {
       "token":"12345678"
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'])
                         if(m=="motoron"):
m=cmd.data['command']
    print("motor is switched on")
elif(m=="motoroff"):
print("motor is switched off")
                         soil=random.randint(0,100)
  print(" ") while True:
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 successfully: %s",myData)
time.sleep(2)
  client.commandCallback=myCommandCallback
client.disconnect()
```



