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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": "xcjqgo",
    "typeId":"ESP32",
    "deviceId":"IBM17"
    },
    "auth": {
       "token":"12345678"
       }
  }
client=wiotp.sdk.device.DeviceClient(config=myConfig,logHa
ndlers=None)
client.connect()
def myCommandCallback(cmd):
  print("Message received from IBM IoT platform: %s" %
cmd.data ['command'])
```

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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':h
um}
  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()
```



