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<b>Project Title</b>	<b>Smart Farmer – IoT Enabled Smart Farming Application</b>

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import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "m5ttid",
        "typeId": "Device1",
        "deviceId": "12345"
    },
    "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'])
    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 Successfully: %s", myData)
        time.sleep(2)
        client.commandCallback = myCommandCallback
    client.disconnect ()

```

```
s",
msgFor
mat="js
on",
data=myData, qos=0 , onPublish=None)
print ("Published data Successfully: %s",
myData) time.sleep (2)
client.commandCallback =
myCommandCallbackclient.disconnect ()
```