Smart Farmer-IOT Enabled Smart Farming Application

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CODE:

```
import wiotp.sdk.device
import time
import os
import datetime
import random myConfig =
{"identity": {
"orgId": "m5ttid", "typeId": "Devicel", "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.ra ndint (0,100)
temp=random.r andint (-20,
125) hum=random.r andint (0, 100) myData={'soil moisture': soil,
'temperature':te mp,
```

```
'humidity':hum}
 client.publishE vent (eventId="status", msgFormat="js on",
data=myData, qos=0 , onPublish=None) print ("Published data
Successfully: %s", myData) time.sleep (2)
client.commandCallback = myCommandCallback
client.disconnect ()
```