

DEVELOP A PYTHON SCRIPT

DATE	18 NOVEMBER 2022
TEAM ID	PNT2022TMID07525
PROJECT NAME	IOT-ENABLED SMART FARMING APPLICATION

```
ibmiotpubsubcode.py - C:\Users\ELCOT\Downloads\ibmiotpubsubcode.py (3.7.4)
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "u5qhf1"
deviceType = "DeviceType1"
deviceId = "DeviceID1"
authMethod = "token"
authToken = "hSb7_ZD+ev12fRhXi"

# Initialize GPIO

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    else :
        print ("led is off")
    #print(cmd)

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
    #.....

except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
```