

## Develop a Python Script

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TEAM ID	PNT2022TMID15011
Project Name	IoT Based smart crop Protection system for agriculture

Task – Develop a Python Script

```
import wiotp.sdk.device

import time import os

import datetime import

random myConfig = {

"identity": {

"orgId": "hjSfmy",

"typeId": "DeviceIdk",

"deviceId": "67890"

},

"auth": {

"token": "87654321"

}

}

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 ()

```