

## DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

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Project Name	SmartFarmer - IoT Enabled Smart Farming Application

### OBJECTIVE:

To Develop a python script to publish and subscribe to IBM IoT platform.

### PROGRAM:

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

config={
    "org":"nq4lh2",
    "type" : "abcd",
    "id": "123",
    "auth-method": "token",
    "auth-token": "123456789"
}
client= ibmiotf.device.Client (config)
client.connect()

def myCommandCallback (cmd):
    a=cmd.data
    if len(a["command"])==0:
        pass
```

```
    else:
        print(a["command"])
def pub (data):
    client.publishEvent(event="status",msgFormat="json",data=data,qos=0)
    print("Published data Successfully: %s",data)
while True:
    s=random.randint(0,100)
    h=random.randint(0,100)
    t=random.randint(0,100)
    data={"sm":s,"hum":h,"temp":t}
    pub(data)
    client.commandCallback = myCommandCallback
client.disconnect()
```