

Develop a Python code

Project Name	Smart Farmer-IoT enabled Smart Farming Application
Team ID	PNT2022TMID29878

Python code:

```
import wiotp.sdk.device

import time import os

import datetime import

random myConfig = {

"identity": {

"orgId": "oy32g",

"typeId": "Watson",

"deviceId": "3456"

},

"auth": {

"token": "dharshini"

}}

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.publishEvent
(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 ()
```