DEVELOP A PYTHON CODE

Team ID	PNT2022TMID41351
Project Name	Smart Farmer-IOT Enabled Smart Farming Application

PROGRAM :

```
import wiotp.sdk.device import
time import os import datetime
import random myConfig = {
"identity": {
"orgId": "hjSfmy",
"typeId": "Devicelk",
"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 ()
```