Develop the Python code

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Project Name	Smart Farmer - IoT Enabled Smart Farming Application

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

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

#NARASIMHAN IBM

```
organization = "59lw3i"
deviceType = "device_1"
deviceId = "12345"
authMethod = "token"
authToken = "123456789"
```

#GPIO

```
def mycommandCallback(cmd):
    print("Command Received: %s" %cmd.data['command'])
    status = cmd.data['command']
    if status=="motoron":
        print("MOTOR is ON")
    elif status=="motoroff":
        print("MOTOR is OFF")
    else:
        print("MOTOR is OFF")
    else:
        print("please send proper command")
try:
    deviceOptions = {"org":organization,"type":deviceType,"id":deviceId,"auth-method":authMethod,"auth-token":authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
```

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except Exception as e:
  print("Caught exception connecting device: %s" %str(e))
  svs.exit()
#CONNECT
deviceCli.connect()
while True:
  temperature=random.randint(0,100)
  humidity=random.randint(0,100)
  moisture=random.randint(0,100)
  data={'temperature':temperature,'humidity':humidity,'moisture':moisture}
  def myOnPublishCallback():
    print("Published Temperature = %s C"%temperature, "Humidity = %s %%" %humidity, "Moisture = %s %%" %moisture, "to IBM Watson")
  success = deviceCli.publishEvent("IoTSensor","json",data,qos=0, on_publish=myOnPublishCallback)
  if not success:
    print("Not connected to IoTF")
  time.sleep(10)
  deviceCli.commandCallback = mycommandCallback
#DISCONNECT
```

deviceCli.disconnect()