## **DMI Engineering College**

## **TEAM ID: PNT2022TMID51472**

```
B SMARTFARMER.PY - C:\Users\Priya\AppData\Local\Programs\Python\Python311\SMARTFARMER.PY (3.11.0)
 File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import os
import datetime
              random
myconfig = {
    "identity": {
        "orgid": "ck2tfo",
        "typeId": "NodeMIIC",
        "deviceId": "1234"
       },
"auth" : {
    "token" : "87654321"
 client = wiotp.sdk.device.DeviceClient(config=myconfig,logHandlers=None)
cilent, 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(""motor is switched OFF")
    print(""motor is switched OFF")
while True:
soil=random.randint(0,100)
        soil=random.randint(-20,10)
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)
print("published data sucessfully:%s",myData)
        time.sleep(2)
 client.commandCallback = myCommandCallback
client.disconnect()
    △ 78°F
Cloudy
                                                                                                                  🔡 Q 🔳 🗩 🐚 🥲 😈 🔮
```