

Develop the python code

Team ID	PNT2022TMID26610
Project Name	SmartFarmer-IoT Enabled Smart Farming Application

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smartfarmer.py - C:\Users\Yokesh\Downloads\smartfarmer.py (3.7.4)
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import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "osr5tj",
        "typeId": "EFS07_Controller",
        "deviceId": "0707"
    },
    "auth": {
        "token": "@D0m9&k0Fehe_ntg5n"
    }
}
client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None)
client.connect()

def myCommandCallback(cmd):
    print("Message received form IBM IoT Platform: %s" % cmd.data['command'])
    m=cd.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()
```

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