Team ID	PNT2022TMID46724
Project Title	SmartFarmer - IoT Enabled Smart Farming Application

PYTHON 7.0 WAS INSTALLED SUCCESSFULLY


```
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "q9u3me",
        "typeId": "abimaneu",
        "deviceId": "1234"
    },
    "auth": {
        "token": "123456789"
    }
}
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 ()
```



```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\kabilan\AppData\Local\Programs\Python\Python37\smart.py =
2022-11-20 17:49:08,329   wiotp.sdk.device.client.DeviceClient  INFO    Connecte
d successfully: d:q9u3me:abimaneu:1234Published data Successfully: %s
 {'soil moisture': 88, 'temperature': 7, 'humidity': 3}
Published data Successfully: %s {'soil moisture': 91, 'temperature': 103, 'humid
ity': 74}
Published data Successfully: %s {'soil moisture': 2, 'temperature': 15, 'humidit
y': 50}
```