{\rtf1\ansi\ansicpg1252\deff0\nouicompat\deflang1033{\fonttbl{\f0\fnil\fcharset0 Times New Roman;}}  
{\\*\generator Riched20 10.0.19041}\viewkind4\uc1  
\pard\sa200\sl276\slmult1\f0\fs24\lang9\par  
\par  
\b\fs32 Team id  : PNT2022TMID51347\par  
Project name : Smart farmer iot app\par  
Code :\b0\fs24\par  
import wiotp.sdk.device\par  
import time\par  
import random\par  
myConfig = \{\par  
"identity": \{\par  
"orgId": "m5ttid",\par  
"typeId": "k3",\par  
"deviceId": "123456"\par  
\par  
\},\par  
"auth": \{\par  
    "token": "12345678"\par  
\}\par  
\}\par  
client = wiotp.sdk.device.DeviceClient (config=myConfig,\par  
logHandlers=None)\par  
client.connect ()\par  
defmyCommandCallback (cmd) :\par  
    print ("Message received from IBM IoT Platform: %s" %\par  
    cmd.data['command'])\par  
    m=cmd.data['command']\par  
    if (m=="motoron"):\par  
        print ("Motor is switched on")\par  
    elif (m=="motoroff"):\par  
        print ("Motor is switched OFF")\par  
    print (" ")\par  
while True:\par  
    moist=random.randint (0,100)\par  
    temp=random.randint (-20, 125)\par  
    hum=random.randint (0, 100)\par  
    myData=\{'soilmoisture':moist, 'temperature':temp, 'humidity':hum\}\par  
    client.publishEvent (eventId="status", msgFormat="json",\par  
    data=myData, qos=0 , onPublish=None)\par  
    print ("Published data Successfully: %s", myData)\par  
    time.sleep (2)\par  
    client.commandCallback = myCommandCallback\par  
client.disconnect()\par