Python script

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

organization="7lnn7p"
devicetype="preethi"
deviceid="1436"
authMethod="token"
authToken="09876543211"

def myCommandCallback(cmd):
    print("Command received:%s"%cmd.data['command'])
    status=cmd.data['command']
    if status =="lighton":
        print("led in on")
    else:
            print("led is off")
try:

deviceOptions={"org":organization,"type":devicetype,"id":deviceid,"
auth-method":authMethod,"auth-token":authToken}
    deviceCli=ibmiotf.device.Client(deviceOptions)
```

```
except Exception as e:
    print("Caught exception connecting device:%s"%str(e))
    sys.exit()
deviceCli.connect()
while True:
    time.sleep(5)
    Ultrasonic=random.randint(0,80)
    Weight=random.randint(0,100)
    lat=round(random.uniform(11.03,11.50),6)
    long=round(random.uniform(76.80,76.90),6)
    GPS=str(lat)+str(',')+str(long)
    myData={'Ultrasonic':Ultrasonic,'Weight':Weight,'GPS':GPS}
    def myOnpublishCallback():
        print("Published Ultrasonic=%sCm"%Ultrasonic,"Weight:%s kg"%Weight,"GPS:%s"%GPS)


success=deviceCli.publishEvent("IoTSensor","json",data=myData,qos=0,on_publish=myOnpublishCallback)
    if not success:
        print("Not connected to IoTF")
    time.sleep(1)
    deviceCli.commandCallback=myCommandCallback
deviceCli.disconnect()
```