DEVELOP A PYTHON SCRIPT

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PROJECT NAME	Smart Waste Management System For Metropolitan Cities

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

organizationID='1hdx6w'
deviceType='preethi'
deviceID='171122'
authMethod='token'
authToken='12345678'

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


deviceOption={"org":organizationID,"type":deviceType,"id":
```

```python
deviceID,"auth-method":authMethod,"auth-
token":authToken}
    deviceCli = ibmiotf.device.Client(deviceOption)
except Exception as e:
    print("Caught exception connecting device: %s" %str(e))
sys.exit()
deviceCli.connect()
while True:
    temp=random.randint(90,100)
    Humid=random.randint(10,100)
    data ={'temp': temp,'Humid': Humid}
def myOnPublishCallback():
    print("Published Distance=%s c" %temp,"Humidity=%s%%"
% Humid,"to IBM Watson")
success=deviceCli.publishEvent("IOTSensor","json",
data,qos=0,on_publish=myOnPublishCallback)
if not success:

    print("Not connected to IOTF");
time.sleep(10)

deviceCli.commandCallback = myCommandCallback

deviceCli.disconnect()
```