Develop the python script

Team ID	PNT2022TMID32979
Project Name	Signs with smart connectivity for better road safety

Develop a python script :

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

#Provide your IBM Watson Device Credentials
organization = "q9m3l6"
deviceType = "mdhar"
deviceId = "8602"
authMethod = "token"
authToken = "12345678"

# Initialize GPIO

def myCommandCallback(cmd):
```

```
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="switchon":
        print ("Switch is on")
    else :
        print ("Switch is off")

    #print(cmd)

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()

# Connect and send a datapoint "hello" with value "world" into the cloud as an
event of type "greeting" 10 times
deviceCli.connect()

while True:
      #Get Sensor Data from DHT11
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```
        temperature=28.99000000000001
        visibility=50



        data = { 'temperature' : temperature, 'visibility': visibility}


        #print data
        def myOnPublishCallback():
            print ("Published Temperature = %s C" % temperature, "visibility = %s %%"
% visibility,"to IBM Watson")


        success = deviceCli.publishEvent("ibmiot", "json", data, qos=0,
on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IoTF")
        time.sleep(1)


        deviceCli.commandCallback = myCommandCallback


# Disconnect the device and application from the cloud
deviceCli.disconnect()
```