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import time

import sys

import ibmiotf.application # to install pip install ibmiotf
import ibmiotf.device


#Provide your IBM Watson Device Credentials
organization = "qp74dm" #replace the ORG ID
deviceType = "smartnode"#replace the Device type wi
deviceId = "smart1234"#replace Device ID
authMethod = "token"
authToken = "jeni@1234"#Replace the authtoken


def myCommandCallback(cmd): # function for Callback
    print("Command received: %s" % cmd.data)
    if cmd.data['command']=='motoron':
        print("motor ON IS RECEIVED")

    elif cmd.data['command']=='motoroff':
        print("motor OFF IS RECEIVED")

    if cmd.command == "setInterval":

        if 'interval' not in cmd.data:
            print("Error - command is missing required information: 'interval'")
        else:
            interval = cmd.data['interval']
    elif cmd.command == "print":
        if 'message' not in cmd.data:
            print("Error - command is missing required information: 'message'")
        else:
            output=cmd.data['message']

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print(output)
```

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try:
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    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method":  
authMethod, "auth-token": authToken}
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    deviceCli = ibmiotf.device.Client(deviceOptions)
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    #.....
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except Exception as e:
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    print("Caught exception connecting device: %s" % str(e))
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    sys.exit()
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# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type  
"greeting" 10 times
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deviceCli.connect()
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while True:
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    deviceCli.commandCallback = myCommandCallback
```

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