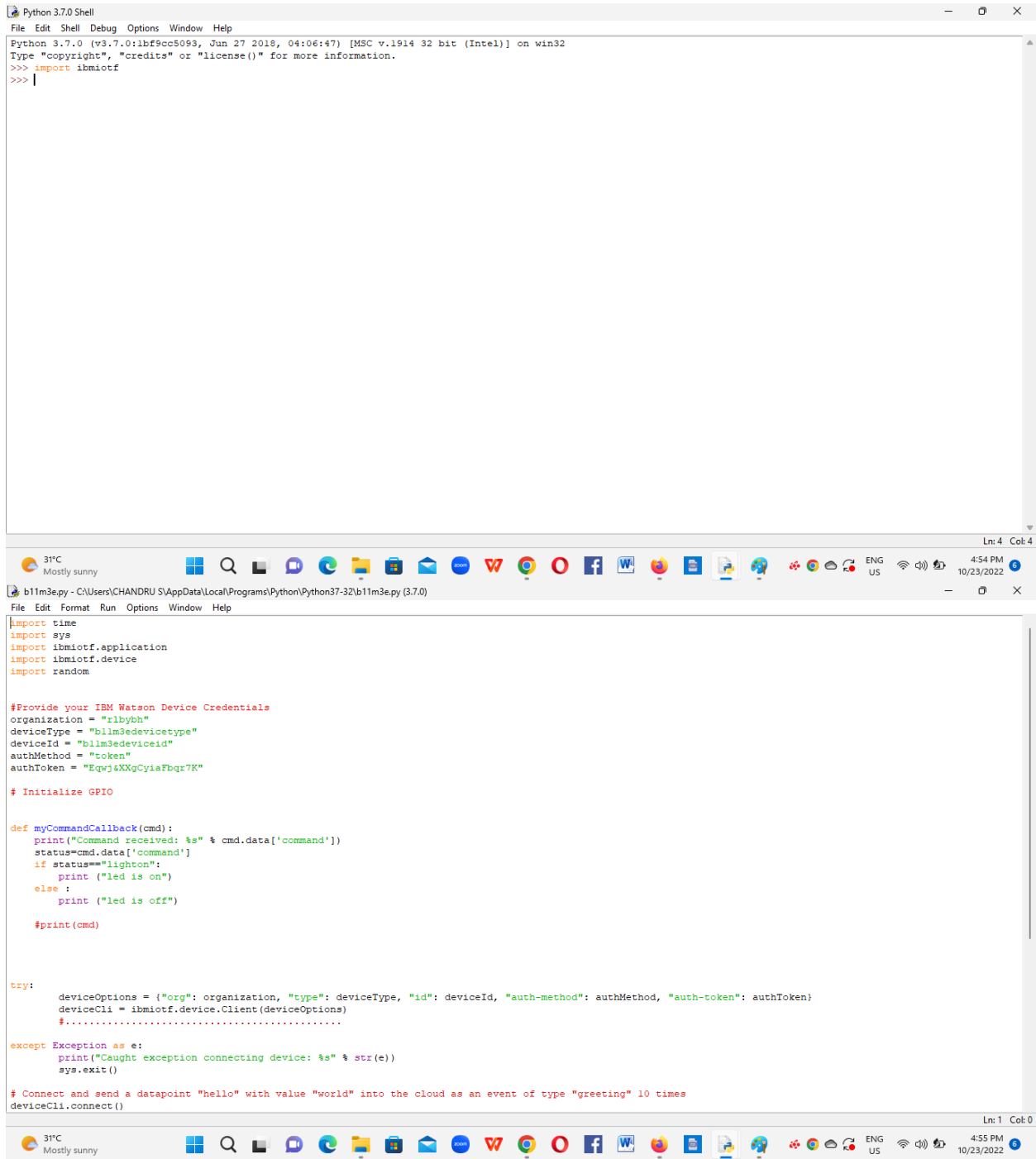


# Python IDLE 3.7.0



The image shows two windows from the Python IDLE 3.7.0 application. The top window is the 'Python 3.7.0 Shell', which displays the Python version and environment information, followed by a prompt where the user has entered `>>> import ibmiotf`. The bottom window is the 'Python 3.7.0 Editor', showing a Python script named `b11m3e.py`. The script imports `time`, `sys`, `ibmiotf.application`, `ibmiotf.device`, and `random`. It defines a `myCommandCallback` function that prints received commands and their status. The script then initializes GPIO, sets up device options for IBM Watson IoT, creates a `deviceCli` object, and attempts to connect to the cloud. A comment at the bottom indicates the goal is to send a datapoint 'hello' with value 'world' as a 'greeting' event 10 times.

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import ibmiotf
>>> |

b11m3e.py - C:\Users\CHANDRU S\AppData\Local\Programs\Python\Python37-32\b11m3e.py (3.7.0)
File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "r1bbyba"
deviceType = "b11m3edevicetype"
deviceId = "b11m3edeviceid"
authMethod = "token"
authToken = "EqwjsXXgCyiaFbqz7K"

# Initialize GPIO

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

# Python IDLE 3.7.0

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
>>> import ibmiotf
>>>
RESTART: C:\Users\CHANDRU S\AppData\Local\Programs\Python\Python37-32\blim3e.py
2022-10-23 16:55:19.660 ibmiotf.device.Client INFO Connected successfully: d:rlbybh:blim3edevicetype:blim3edeviceld
Published Temperature = 41 C Humidity = 0 % to IBM Watson
Published Temperature = 77 C Humidity = 6 % to IBM Watson
Published Temperature = 77 C Humidity = 57 % to IBM Watson
Published Temperature = 43 C Humidity = 15 % to IBM Watson
Published Temperature = 30 C Humidity = 49 % to IBM Watson
Published Temperature = 12 C Humidity = 95 % to IBM Watson
Published Temperature = 65 C Humidity = 97 % to IBM Watson
Published Temperature = 65 C Humidity = 58 % to IBM Watson
Published Temperature = 68 C Humidity = 34 % to IBM Watson
Published Temperature = 16 C Humidity = 67 % to IBM Watson
Published Temperature = 31 C Humidity = 54 % to IBM Watson
Published Temperature = 69 C Humidity = 87 % to IBM Watson
Published Temperature = 4 C Humidity = 86 % to IBM Watson
Published Temperature = 13 C Humidity = 42 % to IBM Watson
Published Temperature = 81 C Humidity = 16 % to IBM Watson
Published Temperature = 40 C Humidity = 61 % to IBM Watson
Published Temperature = 6 C Humidity = 67 % to IBM Watson
Published Temperature = 76 C Humidity = 3 % to IBM Watson
Published Temperature = 98 C Humidity = 82 % to IBM Watson
Published Temperature = 28 C Humidity = 65 % to IBM Watson
Published Temperature = 38 C Humidity = 16 % to IBM Watson
Published Temperature = 12 C Humidity = 1 % to IBM Watson
Published Temperature = 76 C Humidity = 74 % to IBM Watson
Published Temperature = 95 C Humidity = 50 % to IBM Watson
Published Temperature = 94 C Humidity = 2 % to IBM Watson
Published Temperature = 79 C Humidity = 73 % to IBM Watson
Published Temperature = 62 C Humidity = 3 % to IBM Watson
Published Temperature = 37 C Humidity = 16 % to IBM Watson
Published Temperature = 8 C Humidity = 91 % to IBM Watson
Published Temperature = 57 C Humidity = 22 % to IBM Watson
Published Temperature = 4 C Humidity = 58 % to IBM Watson
Published Temperature = 97 C Humidity = 90 % to IBM Watson
Published Temperature = 29 C Humidity = 68 % to IBM Watson
Published Temperature = 70 C Humidity = 37 % to IBM Watson
Published Temperature = 74 C Humidity = 76 % to IBM Watson
Published Temperature = 98 C Humidity = 4 % to IBM Watson
|
```

Ln: 6 Col: 0

31°C Mostly sunny 4:55 PM 10/23/2022