

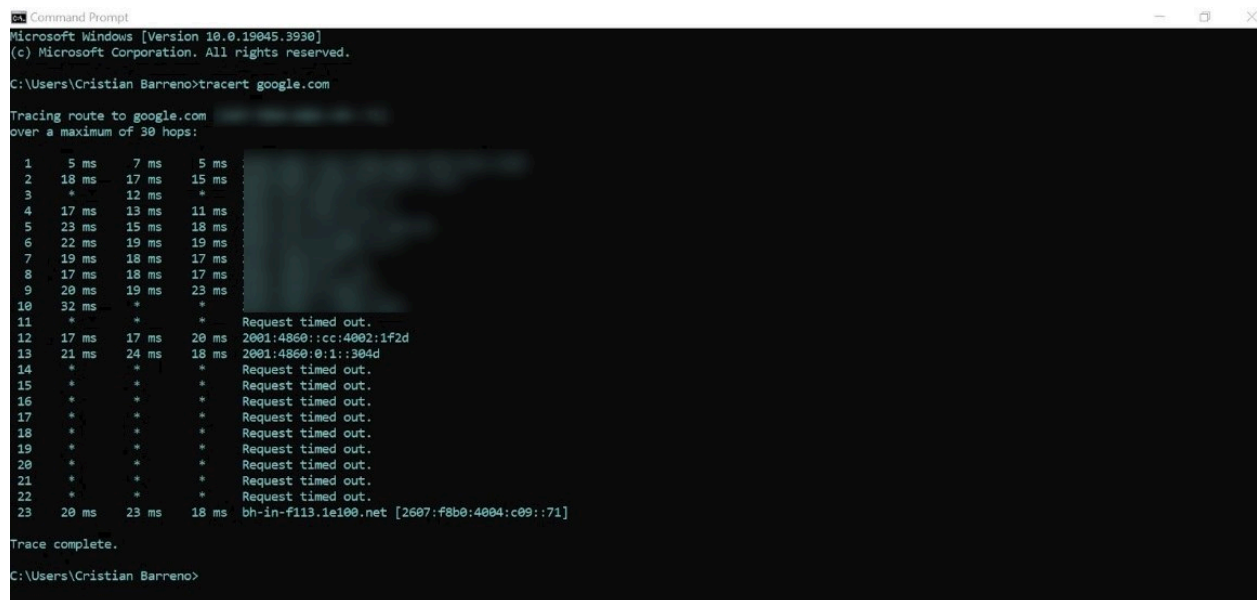
Name: Cristian Barreno

## Traceroute – Assignment #2

Open a Command Prompt in your host operating system.

In Windows the command is `tracert`, and in Linux the command is `traceroute`.

Run: `tracert google.com`



```
Microsoft Windows [Version 10.0.19045.3930]
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C:\Users\Cristian Barreno>tracert google.com

Tracing route to google.com [64.60.64.64]
over a maximum of 30 hops:
  0  5 ms  7 ms  5 ms
  1  18 ms 17 ms 15 ms
  2  *      12 ms *
  3  17 ms 13 ms 11 ms
  4  23 ms 15 ms 18 ms
  5  22 ms 19 ms 19 ms
  6  19 ms 18 ms 17 ms
  7  17 ms 18 ms 17 ms
  8  20 ms 19 ms 23 ms
  9  32 ms *      *
 10  *      *      *
 11  *      *      * Request timed out.
 12  17 ms 17 ms 20 ms 2001:4860::cc:4002:1f2d
 13  21 ms 24 ms 18 ms 2001:4860:0:1::304d
 14  *      *      * Request timed out.
 15  *      *      * Request timed out.
 16  *      *      * Request timed out.
 17  *      *      * Request timed out.
 18  *      *      * Request timed out.
 19  *      *      * Request timed out.
 20  *      *      * Request timed out.
 21  *      *      * Request timed out.
 22  *      *      * Request timed out.
 23  20 ms 23 ms 18 ms bh-in-f113.1e100.net [2607:f8b0:4004:c09::71]

Trace complete.

C:\Users\Cristian Barreno>
```

You will see “Trace complete” once it’s complete.

The column on the left is the amount of hops, which is the amount of routers it has to go through. We can see it took 23 routers / hops !

Depending on where you are in the world you will be redirected to a Google server close to you. Your output might be different and you might have different amounts of hops on the left column. The Routers are looking for the best and faster way to get to the destination.