

Exercise: Networks, Internet and Protocols

Problems for exercises and homework for the "Software Technologies" course @ Software University

1. Trace the route/connectivity to a certain IP address

- 1.1. Use the "tracert" command to test route to an external website of your choosing /Example: wikipedia.com/
- 1.2. Use the "ping" command to test connectivity to an external website of your choosing
2. Add a screenshot of the result here:

```
Command Prompt
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\MaraE>tracert onlyfans.com

Tracing route to onlyfans.com [172.66.0.144]
over a maximum of 30 hops:

  1    3 ms    1 ms    1 ms    H1600V7.home [192.168.1.1]
  2    8 ms    9 ms    6 ms    80.106.125.101
  3    2 ms    4 ms   16 ms    79.128.231.110
  4    4 ms    4 ms    4 ms    79.128.250.87
  5    5 ms    4 ms    4 ms    cloudflare.gr-ix.gr [176.126.38.5]
  6    4 ms    4 ms    4 ms    172.66.0.144

Trace complete.

C:\Users\MaraE>
```

```
C:\Users\MaraE>ping telmaco.gr

Pinging telmaco.gr [78.46.121.58] with 32 bytes of data:
Reply from 78.46.121.58: bytes=32 time=42ms TTL=51
Reply from 78.46.121.58: bytes=32 time=43ms TTL=51
Reply from 78.46.121.58: bytes=32 time=42ms TTL=51
Reply from 78.46.121.58: bytes=32 time=44ms TTL=51

Ping statistics for 78.46.121.58:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 42ms, Maximum = 44ms, Average = 42ms

C:\Users\MaraE>
```

2. Find the IP address behind a domain name

1. Using an online DNS lookup tool, like **DNS Checker** or **MX Toolbox** find the IP address of a domain. /Example: medium.com/
2. Add a screenshot of the result here:

