## **Exercise: Networks, Internet and Protocols**

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

## 1. Trace the route to a certain IP address

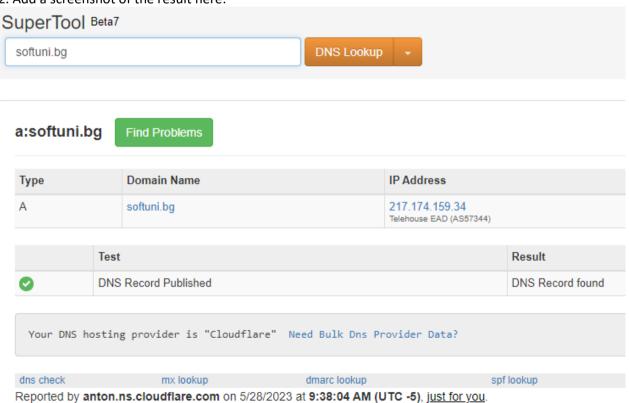
1. Use the ping command to test connectivity to an external website of your choosing /Example: wikipedia.com/

```
2. Add a screenshot of the result here:
```

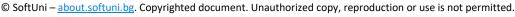
```
C:\Users\Stefcho>ping www.softuni.bg
Pinging www.softuni.bg [172.67.173.123] with 32 bytes of data:
Reply from 172.67.173.123: bytes=32 time=21ms TTL=57
Ping statistics for 172.67.173.123:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 21ms, Maximum = 21ms, Average = 21ms
C:\Users\Stefcho>
```

## 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:







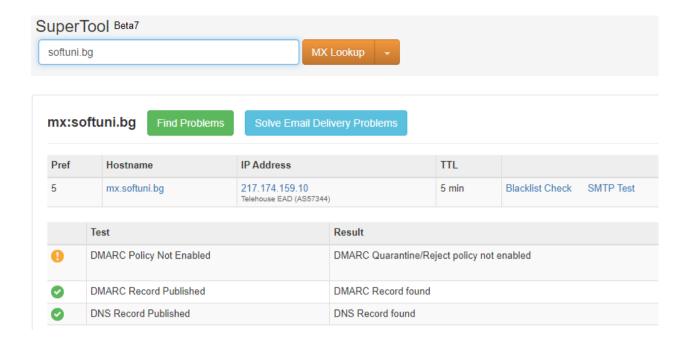








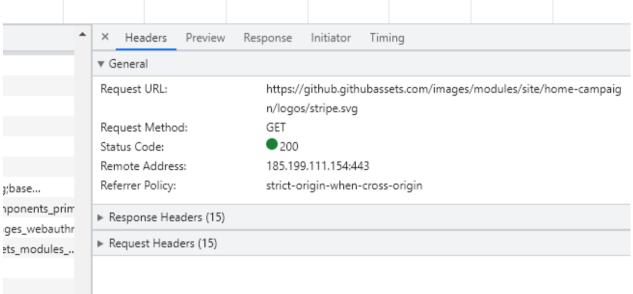




## 3. Execute HTTP GET

1. Using <a href="https://restcountries.com/">https://restcountries.com/</a> and DevTools on your browser. Execute a GET request for a country of your choosing. /Example: https://restcountries.com/v3.1/name/deutschland/

2. Add a screenshot of the result with DevTools open here:



Since the site mentioned in point 1 does not respond, I have used github.com









