# Exercise: Networks, Internet and Protocols

Problems for exercises and homework for the ["Software Technologies" course @ Software University.](https://softuni.bg/trainings/4383/software-technologies-january-2024)

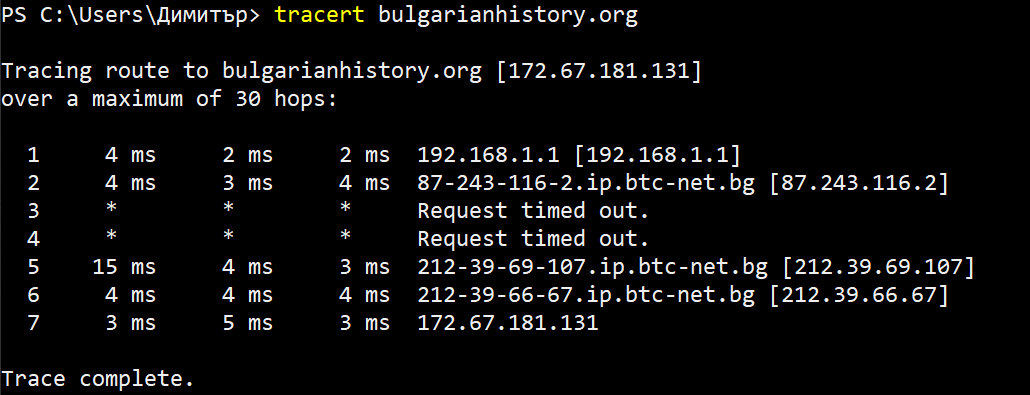
## Trace the route/connectivity to a certain IP address

1.1. Use the “tracert” command to test route to an external website of your choosing /Example: wikipedia.com/

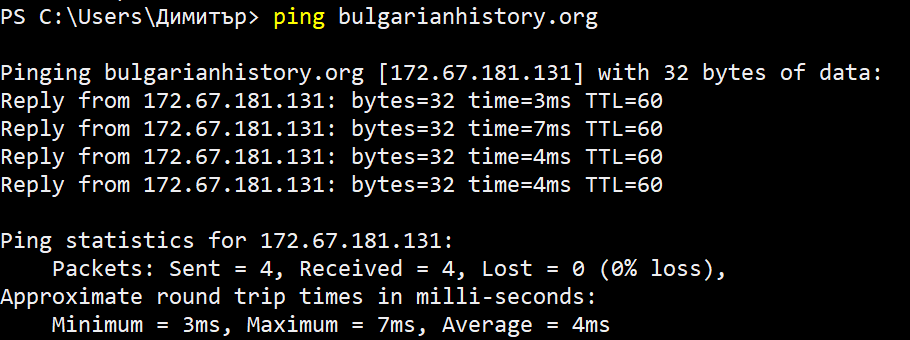
1.2. Use the “ping” command to test connectivity to an external website of your choosing

2. Add a screenshot of the result here:

**Tracert bulgarianhistory.org**



**Ping bulgarianhistory.org**

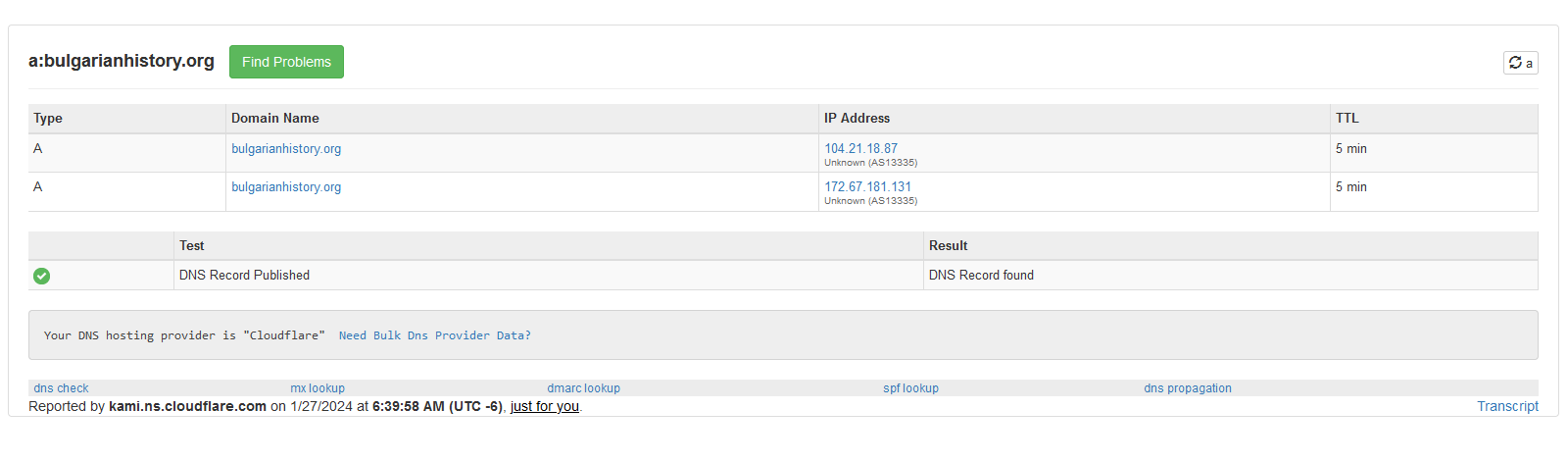


## Find the IP address behind a domain name

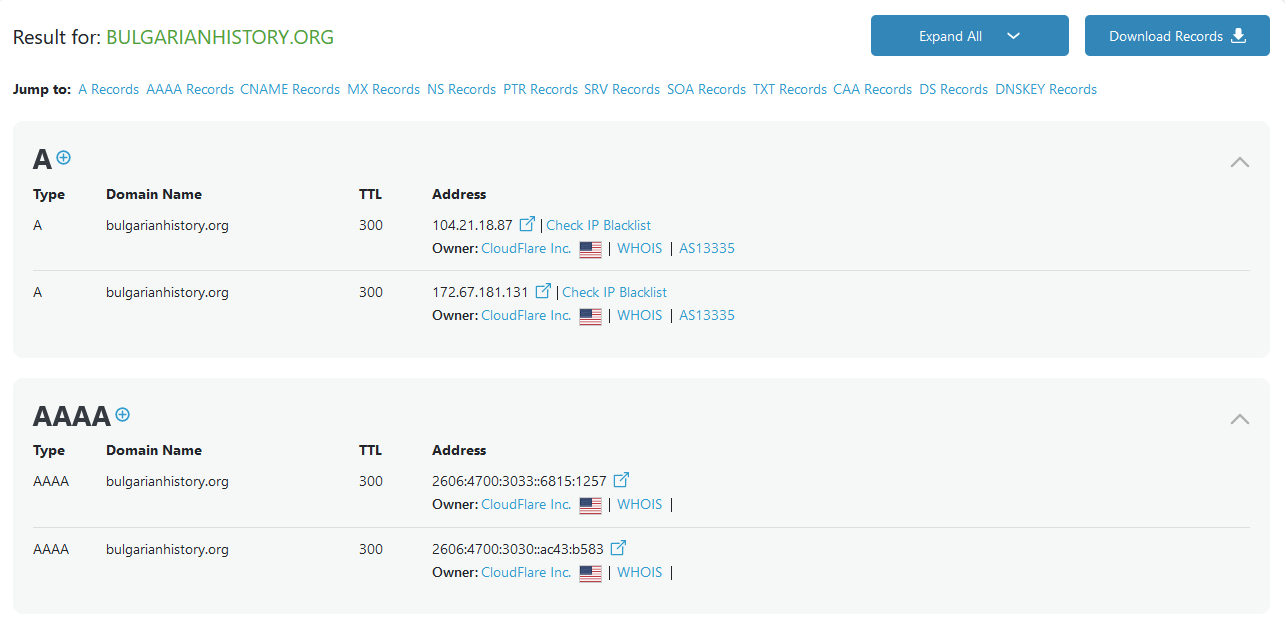
1. Using an online DNS lookup tool, like **DNS Checker** or **MX Toolbox** find the IP address of a domain. /Example: medium.com/

2. Add a screenshot of the result here:

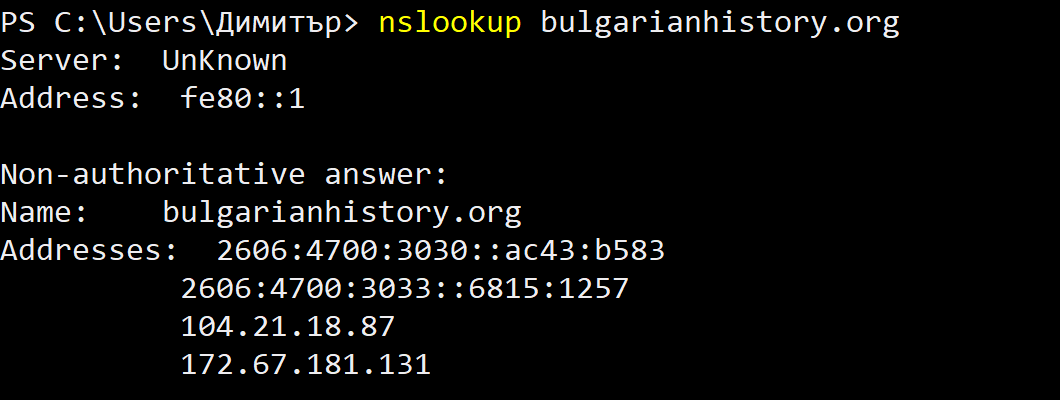
**MxToolbox**



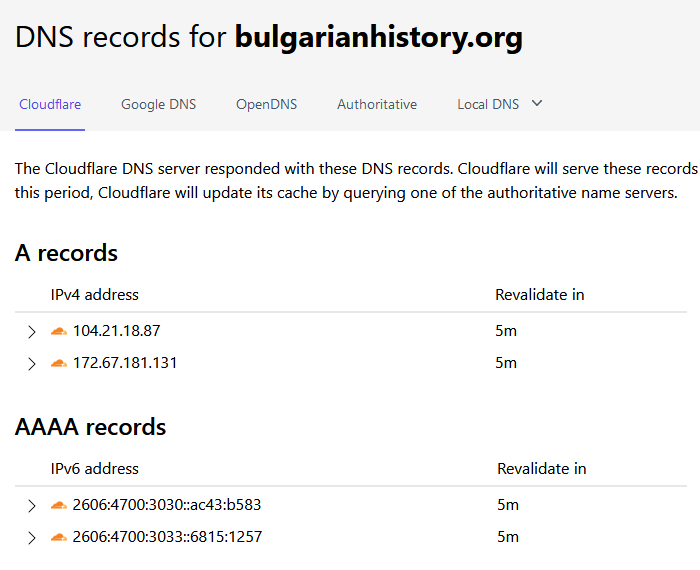
**DNS Checker**



**Windows PowerShell**



**NsLookup**

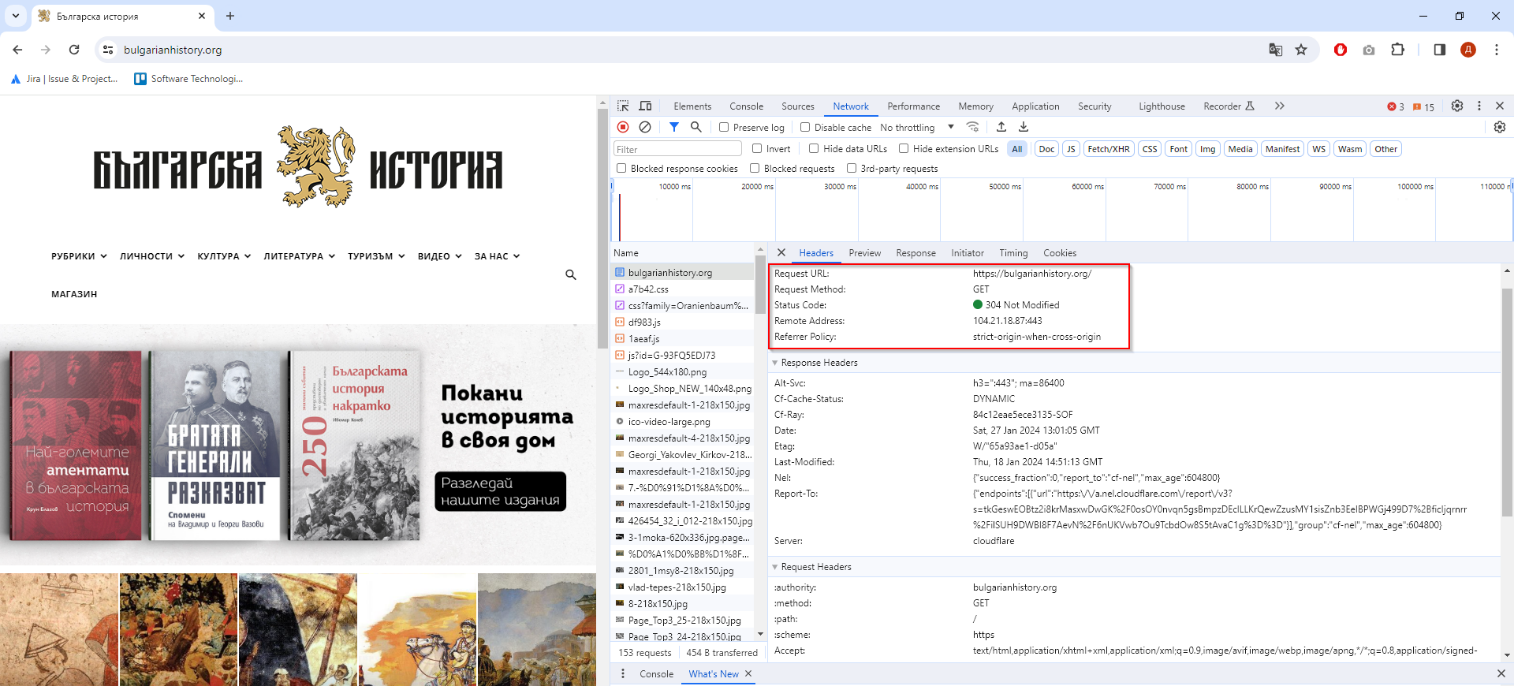


## Execute HTTP GET

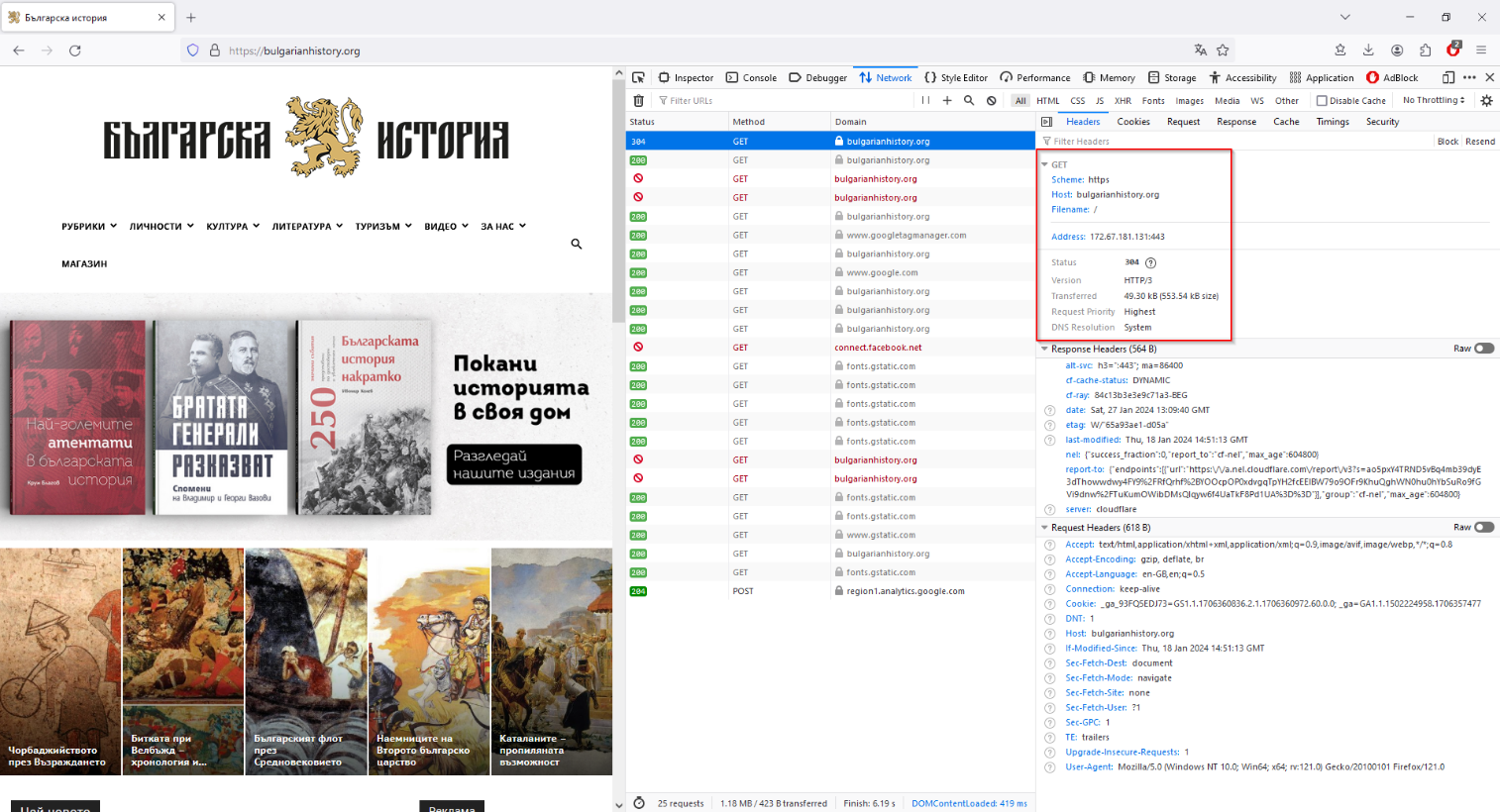
1. Using [**https://restcountries.com/**](https://restcountries.com/)and DevTools on your browser. Execute a GET request for a country of your choosing. /Example: https://restcountries.com/v3.1/name/deutschland/

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

**Google Chrome**



**Mozilla Firefox**



**Postman**

