Ministry of Education of Republic of Moldova

Technical University of Moldova

Faculty of Computers, Informatics and Microelectronics

Software Engineering Department

Web Programming

Laboratory work #2

SELF-MADE BROWSER

Author: *Supervisor:*
Turcanu Ion gr. FAF-191   Alexei Șerșun
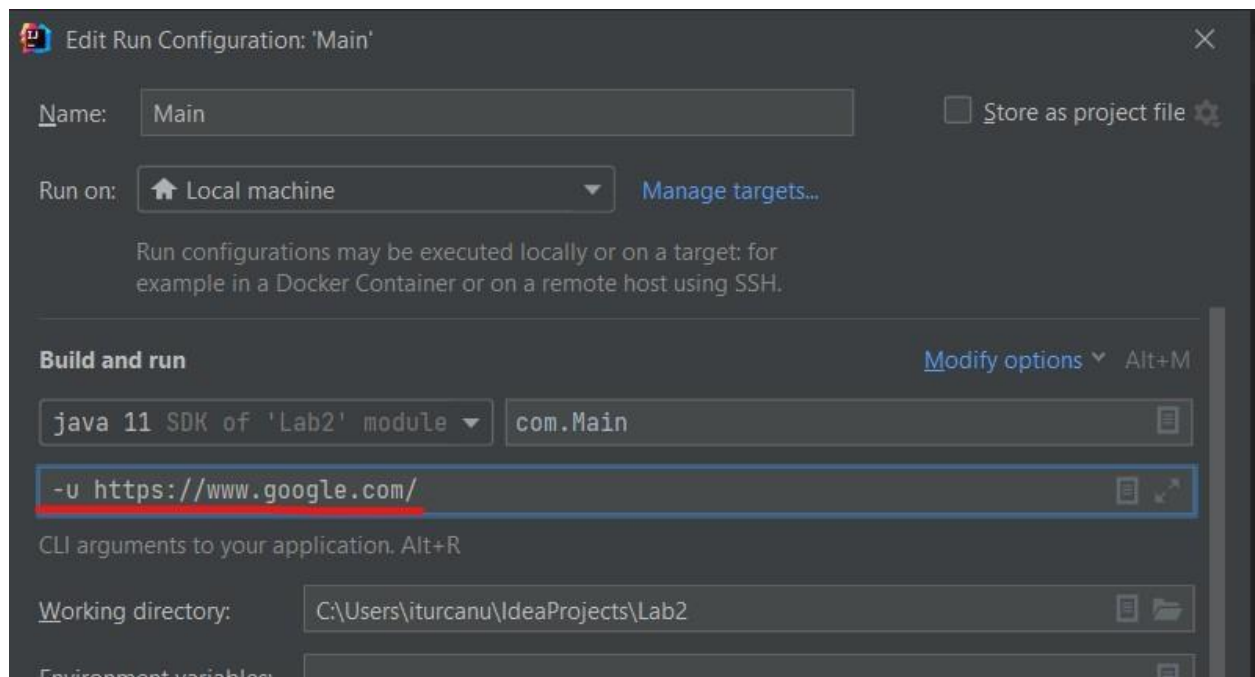
Chișinău 2022

Task

Your task for this lab is:

- You have to write a command line program, using [go2web](go2web) as a starting point; •

  The responses from requets should be human-readable (e.g. no HTML tags in the output);

- The program should implement the following CLI:

  - go2web -u <URL> - make an HTTP request to URL and print the response;
  - go2web -s <search-term> - search the term using your favorite search engine and print top 10 results
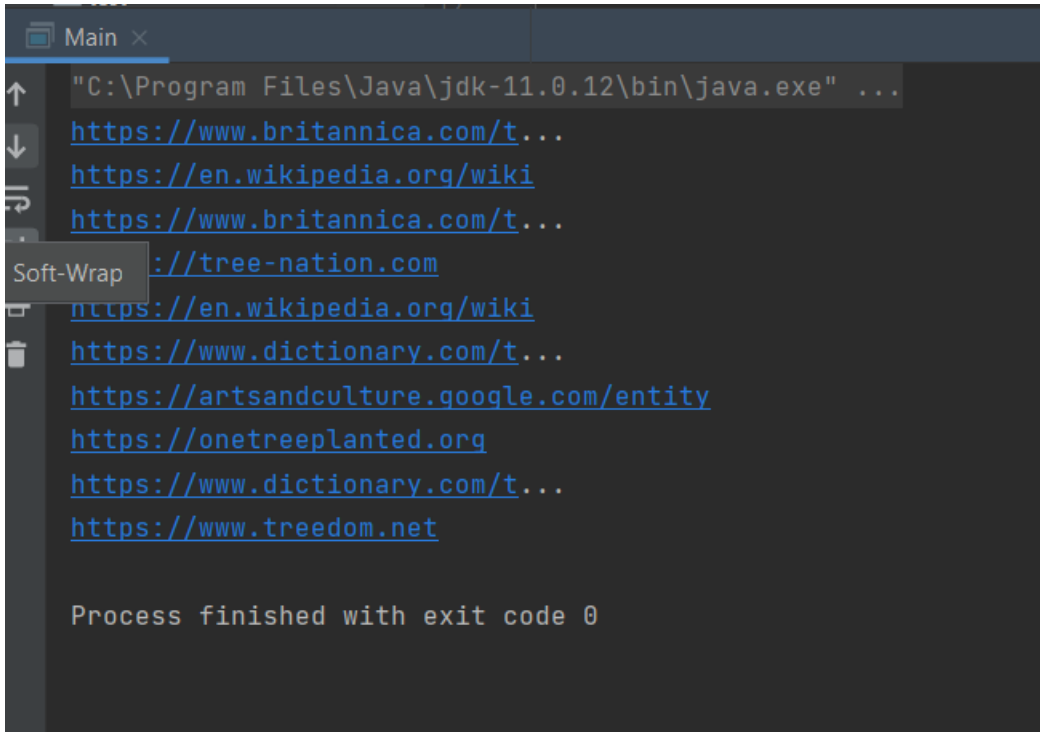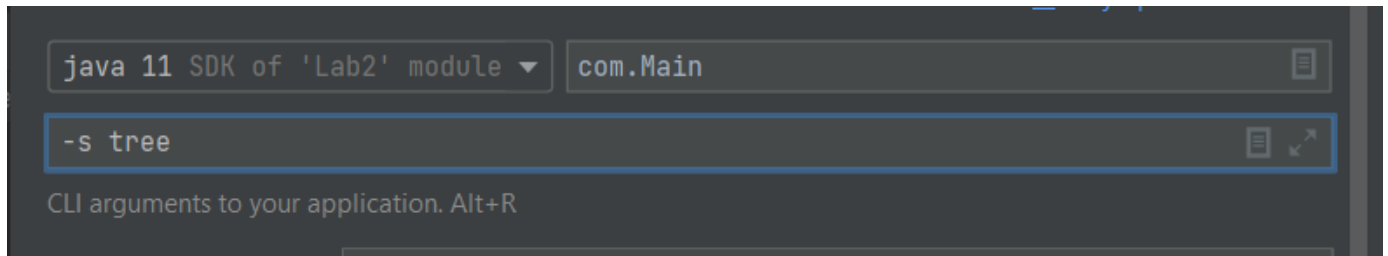 - go2web -h - show help

Results

I have chosen Java as a programming language and maven for importing libraries. To extract the html out of the response I used jsoup library.
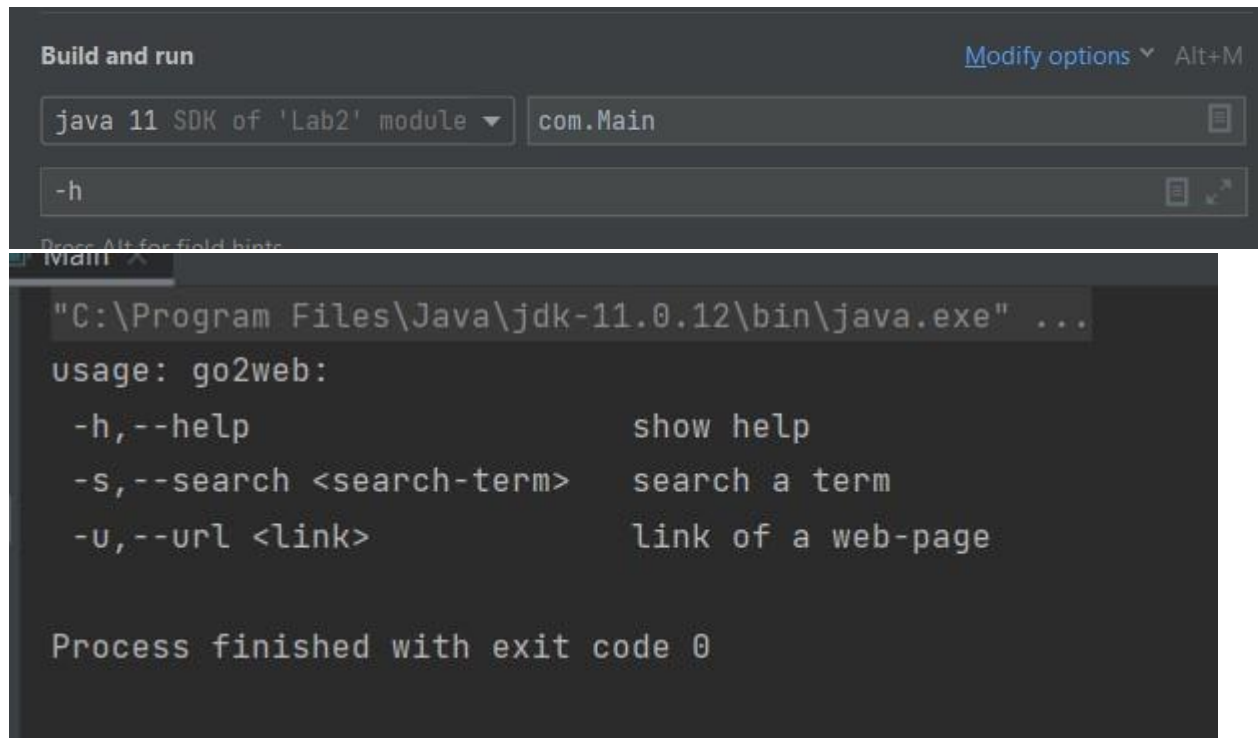

Here is the result:

For the second command I used also jsoup library to parse links from html.

```
java 11 SDK of 'Lab2' module ▼    com.Main                          ▤

-s tree                                                         ▤  ↙

CLI arguments to your application. Alt+R
```

```
■ Main ×
↑       "C:\Program Files\Java\jdk-11.0.12\bin\java.exe" ...
↓       https://www.britannica.com/t...
        https://en.wikipedia.org/wiki
⇆       https://www.britannica.com/t...
        ://tree-nation.com
Soft-Wrap
        https://en.wikipedia.org/wiki
        https://www.dictionary.com/t...
🗑       https://artsandculture.google.com/entity
        https://onetreeplanted.org
        https://www.dictionary.com/t...
        https://www.treedom.net

        Process finished with exit code 0
```

Help command:

3 Conclusion

After doing this lab I learned how to interact with java commons cli library, created my personal options, however, the biggest challenge was to run program from terminal, due to the fact that I used Maven, target jar was difficult to execute manually, that's why I sticked to passing options in IDE.