

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

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Chişinău 2022

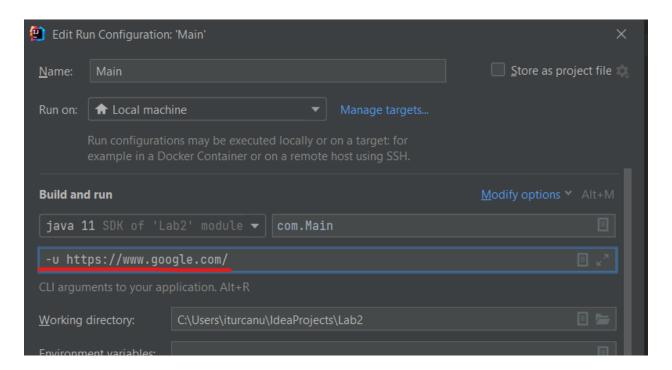
Task

Your task for this lab is:

- You have to write a command line program, using 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:

```
**Total Triangum Files\Java\jdk-11.0.12\bin\java.exe* ...

**Cldotype html>**

**Atal ltemscope itemtype="http://schema.org/MebPage* lang="ro-MD">

**Chad>**

**chead>**

**chead>**

**cata content="text/html; charset=UTF-8" http-equiv="Content-Type">

**cata content="ltext/html; charset=UTF-8" http-equiv="Content-Type">

**cata content="/images/branding/googleg/lx/googleg_standard_color_128dp.png* itemprop="image">

**ctitle=Boogle=/fitle>**

**cata content="/images/branding/googleg/lx/googleg_standard_color_128dp.png* itemprop="image">

**ctitle=Boogle=/fitle>**

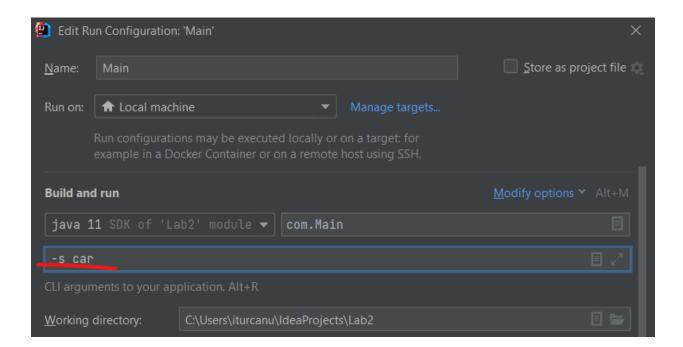
**cata content="/images/branding/googleg/lx/googleg_standard_color_128dp.png* itemprop="image">

**ctitle=Boogle=/fitle>**

**catipt nonce="n8mdEf/yAA/refyImeYt9m==">*cfunction(){sindow.google=(kEI: degpYqSMMpomlwSes2b64m*, kEXPI: '0,18168, 128368, 56873, 6058, 207, 2410, 2190, 2316, 383, 246, 5, 1354, 4013, 1237*

**var f=this|lself;var h,ke[];function l(a){for(var b;a86{la.getAttribute||(b=a.getAttribute("eid")));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid")));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));)a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));}a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));}a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));}a=a.parentNode;return b||h}function m(a){for(var b=mull;a86{la.getAttribute||(b=a.getAttribute("eid="));}a=a.getale;pa=a.getales(a.getales(a.getales(a.getales(a.getales(a.getales(a.getales(a.getales(a.getales(a.get
```

For the second command I used google search Api in order to extract the top 10 results.



Resuld: title + link

```
"C:\Program Files\Java\jdk-11.0.12\bin\java.exe" ...

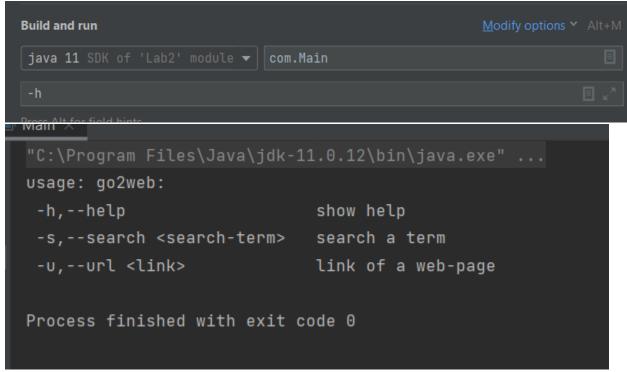
CALIFORNIA ASSOCIATION OF REALTORS® - www.car.org, https://www.car.org/
Car - Wikipedia, https://en.wikipedia.org/wiki/Car

New Cars, Used Cars, Car Dealers, Prices & Reviews | Cars.com, https://www.cars.com/
Car and Driver: New Car Reviews, Buying Advice and News, https://www.enterprise.com/en/home.html

i I-CAR - Home, https://www.i-car.com/s/
Edmunds: New Cars, Used Cars, Car Reviews and Pricing, https://www.edmunds.com/
Autotrader: Used and New Car Sales, Review, https://www.autotrader.com/
National Car Rental: Fast & Convenient Car Rental at 1500+ Locations, https://www.nationalcar.com/en/home.html
CarMax - Shop for used cars, then buy online or at a store, https://www.carmax.com/

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.