



Lab work #1 1/2

- Get practice the Web Console First Using:
 - Open any browser
 - Press F12
 - In console command line write:
 `console.log("Hello world!")`
 - Press Enter to execute
 - Get the result:

```
Console Search Emulation Rendering
< top frame >
> console.log("Hello world!")
Hello world!
< undefined
> |
```





Lab work #1 2/2

- `console.dir({one: 1, two: {three: 3}});`

A screenshot of the Chrome DevTools Console. The top bar shows tabs for 'Console', 'Search', 'Emulation', and 'Rendering'. Below the tabs, there are icons for a mute button, a filter icon, and the text '<top frame>'. To the right, there are checkboxes for 'Preserve log' (unchecked) and 'Show all messages' (checked). The main area shows a log entry: '> console.dir({one: 1, two: {three: 3}});' followed by 'hbj'. Below this, an 'Object' is expanded, showing 'one: 1', 'two: Object', and 'three: 3'. Under 'two: Object', there are two 'Object' entries for '.__proto__'.

```
Console | Search | Emulation | Rendering
-----|-----|-----|-----
🔇 🏠 <top frame> ▼  Preserve log  Show all messages
> console.dir({one: 1, two: {three: 3}});
hbj
▼ Object 1
  one: 1
  ▼ two: Object
    three: 3
    ▶ __proto__: Object
    ▶ __proto__: Object
```





Lab work #2



- Please create the web page:
 - Ask to input two numbers with a prompt dialog window
 - Do the converting as it necessary
 - Ask to input an arithmetic operator
 - Output the calculated result in the web console
- Please validate code with online validator end errors
-



Lab work #3

- Create program for the following algorithm
 - Input balls from 0 to 100.
 - Output the received assessment according to the rules:

A	100-95
B	85-94
C	75-84
D	65-74
E	60-64
FX	0-59





Lab work #4



- Prompt the user to input the marks of 5 subjects of a student. Display if he has passed in each subject if mark is above 60 else use break for
- Build a numerical calculator. Ask user for two inputs (numbers). Ask user for what function to perform:
 1. Addition,
 2. Subtraction,
 3. Multiplication
 4. Division.

Display the result accordingly. And loop the code while user prompts – “That’s all”



Lab work #5

- Write code to create an array of 5 Cars
 - Car has following properties:
 - FirmName (string)
 - ModelName (string)
 - EngineDisplacement (float)
 - All parameters to prompt by user
- Output all Cars that has Engine Displacement > 2.0





Lab work #6

- Demonstration:
 - Please create function without arguments, that alerts the number of arguments and their names
 - Please call this function several times with a different values amount.

