

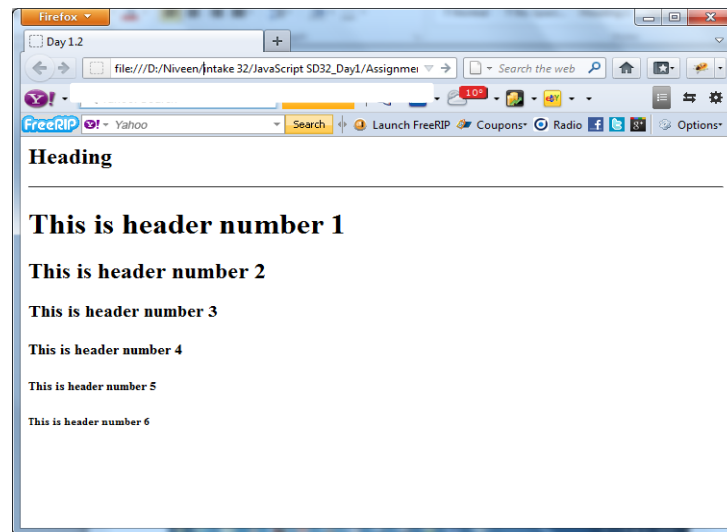
Client-side Technologies

JavaScript Fundamentals

Lab1

1. Basics

1.1. Ask the user to enter a message then display it using the different html heading tags (from <h1> to <h6>) using Loops. DO NOT write the header element explicitly in your script!



1.2. Write a script that takes from the user n values and returns their sum, stop receiving values from user when he enters 0 or sum exceeds 100, check that the entered data is numeric and inform the user with the total sum of the entered values in console.

1.3. Ask the user to enter three numerical values x, y and z. The function should check if x is divisible by y only or z only or both y and z.

Example: If user entered values are 10, 2, and 5 then the output will be: 10 is divisible by both 2 and 5.

If user entered values are 10, 2, and 4 then the output will be: 10 is divisible by 2 only.

If user entered values are 10, 5, and 4 then the output will be: 10 is divisible by 5 only.

1.4. Ask the user to enter 3 values where x and y are two numeric values while z is a string value. The function should display the following:

- The range of numbers between x and y depending on the value of z according to the following:
 - If z="odd" the function will display only the odd values between x and y. x and/or y are included if any is odd.
 - If z="even" the function will display only the even values between x and y. x and/or y are included if any is even.
 - If z="no" the function will display all values between x and y. x and y are included.
 - If z="odd" the function will display only the odd values between x and y.
 - Make sure that the user entered the proper data type for each parameter, if not, inform the user to re-enter the required parameters.
- The sum of the displayed numbers.
- Apply a displaying style in console.

The output will be either descending (if $x > y$) or ascending order (if $x < y$)

Example: If user entered values are 9,15 and answered the question about the even and odd with "no" then the output will be:

9,10,11,12,13,14,15 and their sum value that is 84

If the answer is "odd" then the output will be: 9,11,13,15 and their sum value that is 48

If the answer is "even" then the output will be: 10,12,14 and their sum value that is 36