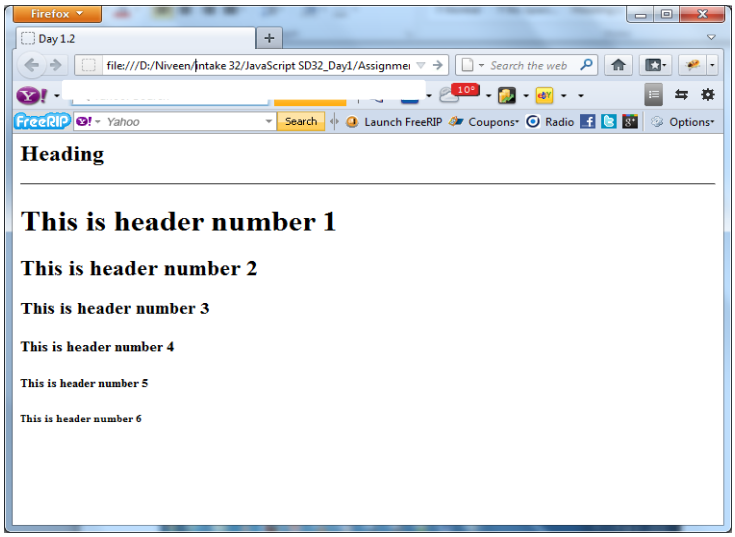
Client-side Technologies
JavaScript Fundamentals
Lab1

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. Create a function that accepts 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. Create a function with the following signature rangeDisplay(x,y,z) 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