



Web Programming

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Lab 7 – JavaScript Fundamentals

Assignment 1. querySelector() Method

Expand pre-written HTML code to:

- add a **background color** to the **first p** element in the document with **class** = "example"
- add a **red border** to the **first link** that has a **target attribute**
- change a **font size** and a **color** of the **first p** element in the document where the **parent is a div** element

when the whole page has loaded

Assignment 2. querySelectorAll() Method

Expand pre-written HTML code to:

- add a **background color** to the **first p** element in the document with **class** = “example”
 - change a **margin** and a **padding** and add a **border** of all elements with class = “example”
 - add a **red border** and **remove** the **underline** to **all links** in the document with a **target attribute**
 - change the **color** of all **h1** and **h2** elements with **class** = “Title”
- when the whole page has loaded

Assignment 3. Alert Messages

Alert messages can be used to notify the user about something special: danger, success, information or warning.

Create alert messages (danger, success) automatically disappearing after 5 seconds.



Danger! Indicates a dangerous or potentially negative action.



Success! Indicates a successful or positive action.



Info! Indicates a neutral informative change or action.



Warning! Indicates a warning that might need attention.



Assignment 4. Parsing numbers

Try parsing the following strings to numbers using `parseInt`, `parseFloat`, `Number`, `+` and `| 0`. Fill the answers in the table below using JavaScript.

str	parseInt(str)	parseFloat(str)	Number(str)	+str	str 0
1234	?	?	?	?	?
1234abc	?	?	?	?	?
0.15	?	?	?	?	?
3.14ivan	?	?	?	?	?
Infinity	?	?	?	?	?
999999999999999999999999	?	?	?	?	?

Assignment 5. Replace all **href** values

- **Description**

Write JavaScript code to replace all occurrences of the href values of all links in a site when whole page has loaded.

- **Input**

One **href** string that you want to be replaced.

- **Output**

All **href** values of the site will be replaced by the specified **href** string.

Assignment 6. Registration form

- Use JavaScript to get values of the following fields: full name, email, password, confirm password, and phone number.
- Check the value of each field based on the requirements below:
 - **Required:** full name, email, password, and phone number must be not null.
 - **Match:** password and confirm password must be equal.
 - **Length:** phone number must be exactly 10 digits long.

Full Name*	<input type="text"/>
Email*	<input type="text"/>
Password*	<input type="password" value="Enter your password"/>
Confirm Password*	<input type="password" value="Enter your password again"/>
Phone number*	<input type="text"/>
Address	<input type="text"/>
City	<input type="text" value="Enter your City"/> State <input type="text" value="Enter your State"/>
Zip/Postal Code	<input type="text" value="Enter your Zip/Postal Code"/>
Country	<input type="text" value="[Select your country]"/>
Birthday	<input type="text" value="mm/dd/yyyy"/>
Gender	<input type="text" value="Male"/>
Starting date	<input type="radio"/> Spring <input checked="" type="radio"/> Summer
Comments	<input type="text" value="Please send us more information"/>
<input type="button" value="Submit"/>	

Assignment 7

Write JavaScript code to insert a product into the product section of VOW Design using the createElement method

