Web Programming

Lecturer: Ung Văn Giàu
Email: giau.ung@eiu.edu.vn

Lab 6 – JavaScript Fundamentals

Data Types and Variables
Operators and Expressions
Loops
Arrays
Dom

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 you **click** the **Change button**

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 you **click** the **Change button**

Assignment 3. Alert Messages

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

Create alert messages automatically disappearing after 5 seconds or when clicking on a quit symbol.

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 for yourself in the table below.

str	parseInt(str)	parseFloat(str)	Number(str)	+str	str	0
1234	?	?	?	?	?
1234abc	?	?	?	?	?
0.15	?	?	?	?	?
3.14ivan	?	?	?	?	?
Infinity	?	?	?	?	?
9999999999999999999	?	?	?	?	?

Assignment 5. Compare Array of Objects

- **Description**

    Write a function to sort an array of product objects in increasing order of product's price.

- **Input**

  - One array contains product objects

  - Each of them has three properties: Product Name, Product Image and Product Price

- **Output**

    Return one array that contains the product objects in increasing order of their price

Assignment 6. Product List

- Create an array that contains a product list. Each product consists of ID, Product Name, Quantity, Price, Image

- Sort the product list by the product name

- Print the products in the list

- Add a new product to head of the list

- Add a new product to tail of the list

- Search products by the product name

- Remove the product by the product ID

- Edit the product detail by the product ID