

## Lab Assignment #2

### ➤ Assignment Overview

- **Released date:** 5/2
- **Due date:** 5/15 23:59 PM
- **Assigned points:** 4
- **Submission**
  - ✓ Make one word file to include, for each problem, 1) captured final results, 2) result HTML and JavaScript codes, 3) code explanations
  - ✓ Four HTML files
- **Where to submit:** to e-class (<http://eclass.seoultech.ac.kr>)
- Late submission is not allowed

### 1. Get two numbers using prompt, calculate the summation of two numbers, and alert the result



A web form with a text input field and two buttons. The text input field has a placeholder text "Give me a number." Below the input field are two buttons: a blue button labeled "확인" (Check) and a white button labeled "취소" (Cancel).

### 2. Get two numbers using prompt while satisfying the following requirement.

- Alert the message if the first number is less than second number
- After alert, increment the first number
- Repeat alert message while the first number is less than second number



Three sequential screenshots of a web form showing an alert message. Each screenshot shows a text input field with a blue button labeled "확인" (Check) below it. The alert message in each screenshot is "4 is less than 7", "5 is less than 7", and "6 is less than 7" respectively, indicating that the first number is being incremented in each step.

### 3. Repeat the following steps for 5 times

- Generate a random number between 0 and 100
- Compare the generated random number with 50
- Alert the comparison result like this

Hey, 30 is less than 50.

확인

Yo, 69 is greater than or equal to 50.

확인

- Hint: Use the following function for random value

```
function getRandom(max) {return (Math.floor(Math.random()*max))+1;}
```

### 4. Calculate the result while satisfying the following requirement.

- Give two values for operands for a operator
- Click a button for one operator (i.e., add, subtract, multiply, divide)
- Show the chosen operator in the second blank and show the result in the fourth blank

<input type="text"/>	<input type="text"/>	<input type="text"/>	=	<input type="text"/>
<input type="button" value="Add"/>	<input type="button" value="Subtract"/>	<input type="button" value="Multiply"/>	<input type="button" value="Divide"/>	

- Hints

- We can call a specific function when clicking the button as follow

```
<input type="button" onClick="Add()" value="Add">
<input type="button" onClick="Subtract()" value="Subtract">
```

- We can get the input value from a given form as follows

```
<form name="form01">
<input type="text" name="input01" value="" size="5">
<input type="text" name="input04" value="" size="1">
</form>
```

```
number1 = window.document.form01.input01.value;
```

- Similarly, we can change the value in the form as follow

```
window.document.form01.input03.value = total;
window.document.form01.input04.value = "-";
```