



Lab Report 6

CSF3133 (K4)

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## 1. Basic Javascript

Before

My First JS

After

**My First JS** *Java Script*

Observation: The font is changed.

## 2. getElementById()

Before the button was clicked

### **What Can JavaScript Do?**

JavaScript can change HTML content.

Click Me!

After the button was clicked

### **What Can JavaScript Do?**

Hello JavaScript!

Click Me!

Observation: After clicking the button, the message were changed.

## 3. Date and Time

Before

Click me to display Date and Time

Wed Dec 03 2025 10:21:55 GMT+0800 (Malaysia Time)

After

Click me to display Date and Time

Wed Dec 03 2025 10:23:23 GMT+0800 (Malaysia Time)

Observation: After adding new script into html code, the color of the message background is changed.

#### 4. Change HTML Attribute Values

Lights on

### What Can JavaScript \index{JavaScript} Do?

JavaScript \index{JavaScript} can change HTML attribute values.

In this case, JavaScript \index{JavaScript} changes the value of the `src` (source) attribute of an image.



Turn on the light

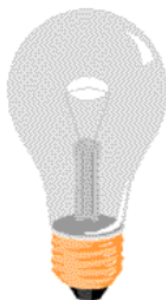
Turn off the light

Lights off

### What Can JavaScript \index{JavaScript} Do?

JavaScript \index{JavaScript} can change HTML attribute values.

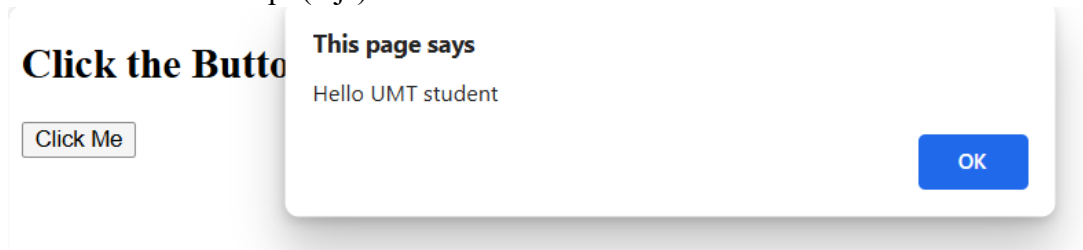
In this case, JavaScript \index{JavaScript} changes the value of the `src` (source) attribute of an image.



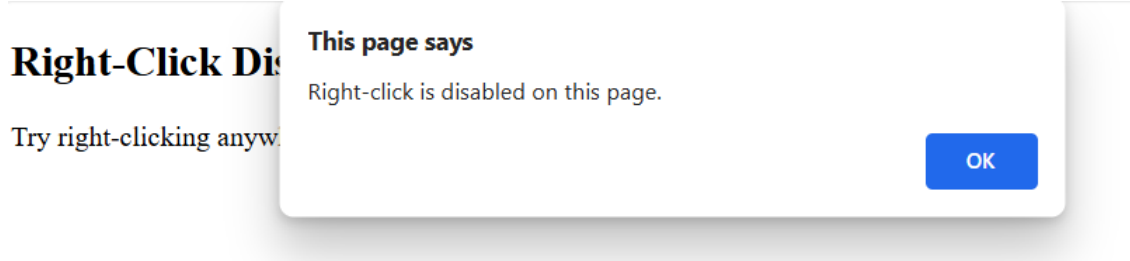
Turn on the light

Turn off the light

## 5. Link to file JavaScript (\*.js)



## 6. Working with events



## 7. Multiplication Table

**Multiplication Table Generator**

Enter number of rows:

Enter number of columns:

1	2	3	4
2	4	6	8
3	6	9	12

## 8. Client-side validation

### Case 1

**Form Validation**

First Name:

**This page says**  
First Name must be filled out.

### Case 2

## Form Validation Example

First Name:

Submit

### 9. Numeric Input Validation

#### Case 1

##### Numeric Input

Enter Your Age:

Enter a number

Submit

**This page says**

Age field cannot be empty.

OK

#### Case 2

##### Numeric Input

Enter Your Age:

evan|

Submit

**This page says**

Please enter a valid numeric value.

OK

#### Case 3

##### Numeric Input

Enter Your Age:

217

Submit

**This page says**

Please enter a number between 1 and 120.

OK

#### Case 4

##### Numeric Input

Enter Your Age:

7

Submit

**This page says**

Form submitted successfully!

OK

10. Math Function

Incorrect guess

**Guess the Number**

Try to guess the random number

Start Game

**This page says**

Not matched. The correct number was 9.

OK

Correct guess

**Guess the Number**

Try to guess the random number

Start Game

**This page says**

Good Work! You guessed it right.

OK

## Lab Exercise

### Simple Math Quiz

Click a question to start its timer.

$2 + 3 =$

4 5 6

$6 + 1 =$

7 8 9

$7 - 4 =$

2 3 5

$9 - 2 =$

5 6 7

Score: 0

