WEB-BASED INTERFACE DESIGN
(CSF3123)

Lab Report 6

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Lab Module 6 -JAVASCRIPT

6.1 Introduction to JavaScript

6.2 Objective

6.3 Basic JavaScript

My First JS!

My First *Java Script*

6.4 getElementById()

What Can JavaScript Do?

JavaScript can change HTML content.

Click Me!

What Can JavaScript Do?

Hello JavaScript!

Click Me!

6.5 Date and Time

Click me to display Date and Time

Click me to display Date and Time

Wed Dec 03 2025 10:47:18 GMT+0800 (Malaysia Time)

| Click me to display Date and Time |

| Click me to display Date and Time |

Wed Dec 03 2025 10:56:07 GMT+0800 (Malaysia Time)

6.6 Change HTML Attribute Values

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 |

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.

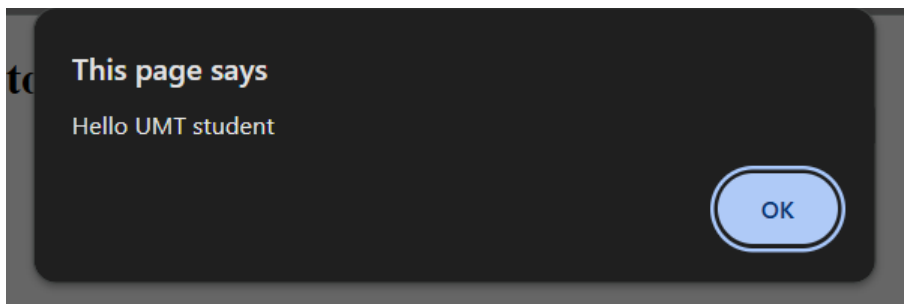| Turn on the light | | Turn off the light |

6.7 Link to file Javascript (*.js)

      6.7.1 Javascript in \<head> or \<body>

      6.7.2 External JavaScript Advantages

      6.7.3 External References
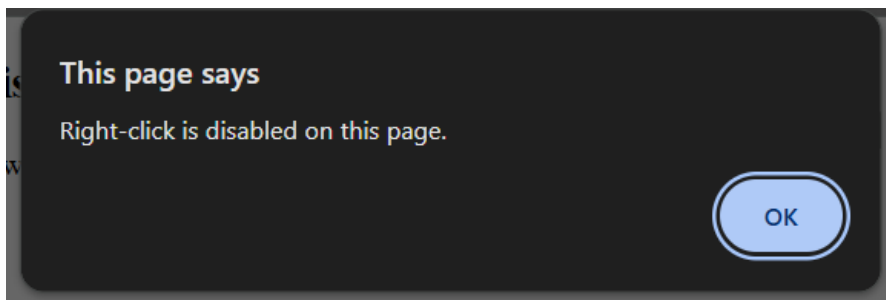
Click the Button to See the Message

[Click Me]

This page says

Hello UMT student

(OK)

6.8 Working with events

      6.8.1 How it Works

Right-Click disabled

Try right-clicking anywhere on this page.

This page says

Right-click is disabled on this page.

(OK)

6.9 Multiplication Table

Multiplication Table Generator

Enter number of rows: [Rows]

Enter number of columns [Columns]

[Generate Table]

Multiplication Table Generator

Enter number of rows: [5]

Enter number of columns [4]

[Generate Table]

Multiplication Table Generator

Enter number of rows: [5]

Enter number of columns [4]

[Generate Table]

${i * j}	${i * j}	${i * j}	${i * j}
${i * j}	${i * j}	${i * j}	${i * j}
${i * j}	${i * j}	${i * j}	${i * j}
${i * j}	${i * j}	${i * j}	${i * j}
${i * j}	${i * j}	${i * j}	${i * j}

6.10 Client-side validation

6.10.1 Form Validation

Form Validation Example

First Name:

[Aisyah]

[Submit]

Form Validation Example

First Name:

[ ]

[Submit]

This page says

First Name must be filled out.

(OK)
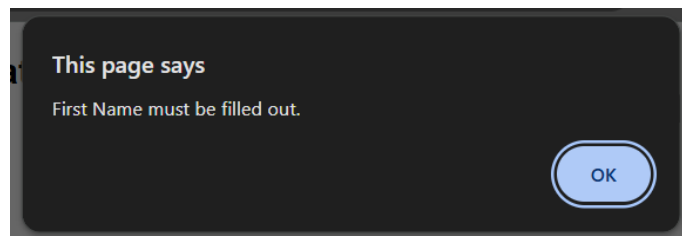
6.10.2 Numeric Input Validation

Numeric Input Validation Example

Enter Your Age:

[Enter a number   ]

[Submit]

This page says
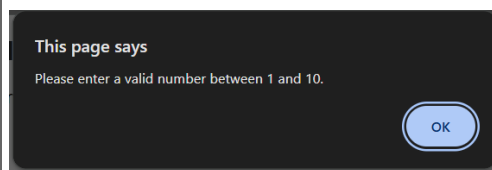
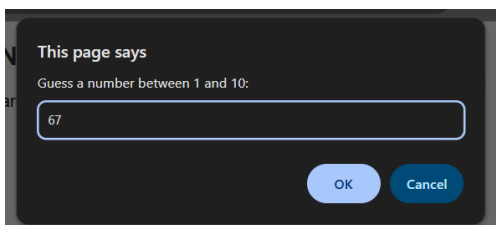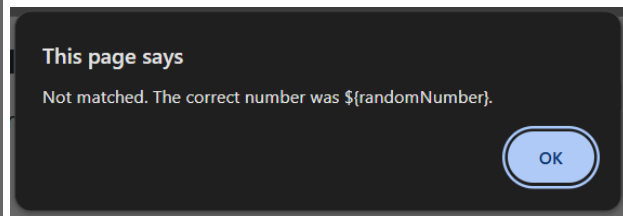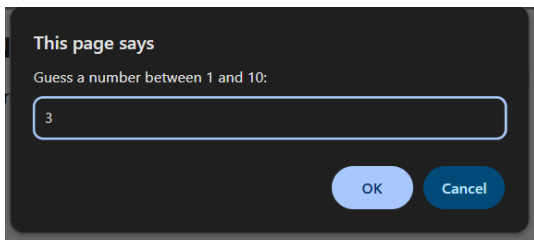Form submitted successfully!

[OK]

6.11 Math Function

6.11.1 Guess a Number

6.11.2 How it Works

Guess the Number Game

Try to guess the random number between 1 and 10!

[Start Game]

This page says

Guess a number between 1 and 10:

[3   ]

[OK] [Cancel]

This page says

Not matched. The correct number was ${randomNumber}.

[OK]

This page says

Guess a number between 1 and 10:

[67   ]

[OK] [Cancel]

This page says

Please enter a valid number between 1 and 10.

[OK]

6.12 Lab Exercise 6

6.12.1 Home page before starting the quiz

HTML, CSS, JS Quiz

Time 1 minute 40 seconds

Start Quiz
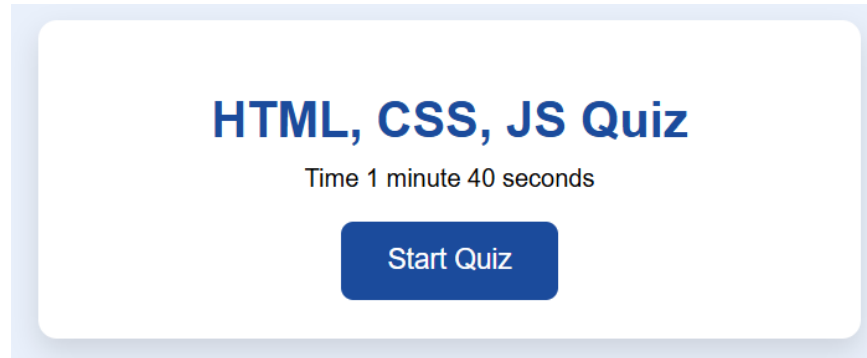
6.12.2 Views for the first question of the quiz

HTML, CSS, JS Quiz

Time Left: 01:35

(1/10) Which HTML tag is used to link JavaScript?

<script>

<js>

<javascript>

<link>

Previous   Next   Finish
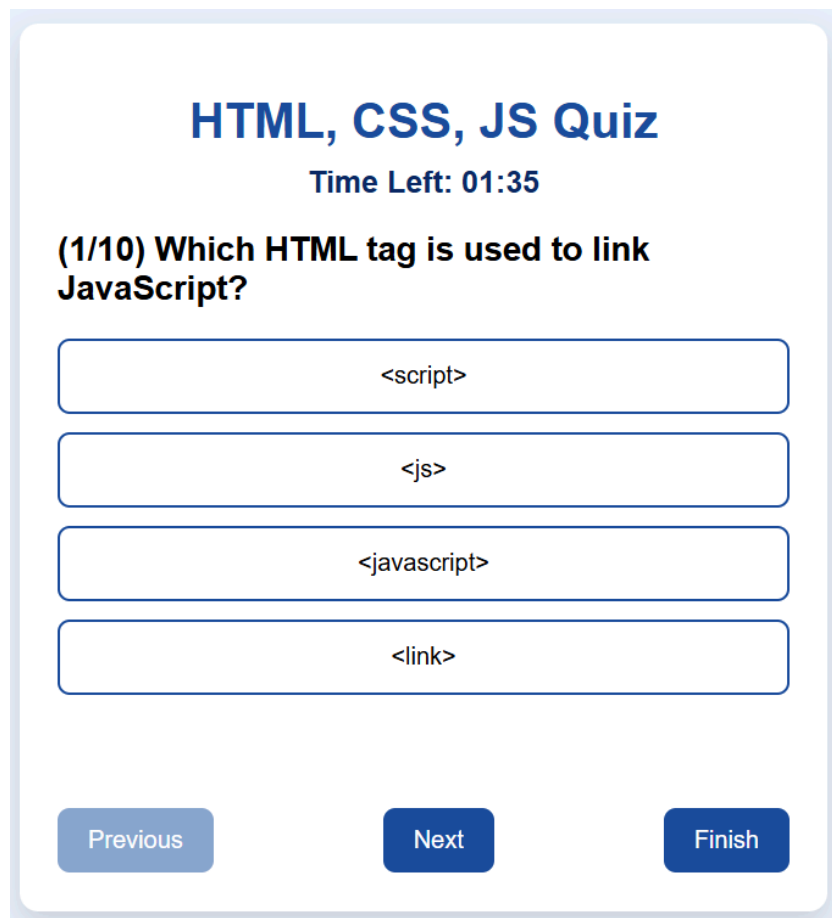
6.12.3 Feedback when the answer is correct

6.12.4 Feedback when the answer is wrong

6.12.5 The box changes color when you choose.

HTML, CSS, JS Quiz

Time Left: 01:04

(2/10) How do you call a function in JavaScript?

call functionName

run functionName

functionName()

execute functionName()

Previous   Next   Finish

6.12.6 Time changes to red color when the time is under 30 seconds

HTML, CSS, JS Quiz

Time Left: 00:27

(4/10) What is the correct way to write an IF statement?

if condition{}

if{condition}

if[condition]{}

if(condition){}

Previous   Next   Finish

6.12.7 Timer will blink when the timing is below 10 seconds

6.12.8 The final result of the quiz