



Lab Report 6

CSF3133 (K4)

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Programme: Bachelor of Computer Science (Software Engineering) with Honours

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](#)

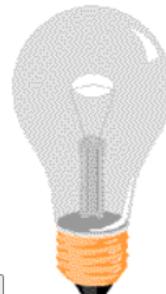
[Turn off the light](#)

Lights off

What Can JavaScript \index{JavaScript} Do?

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

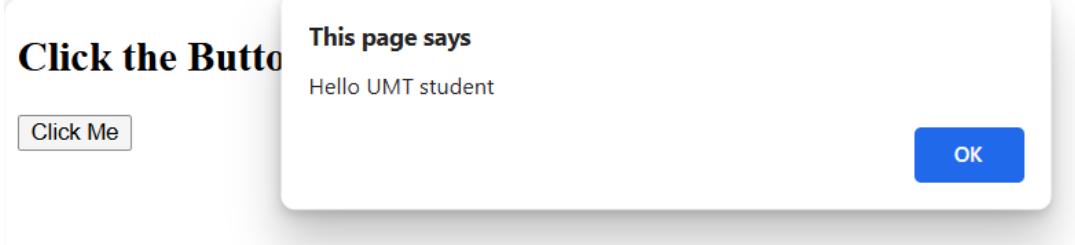
In this case, JavaScript \index{JavaScript} changes the value of the 'src' (source) attribute of an image.



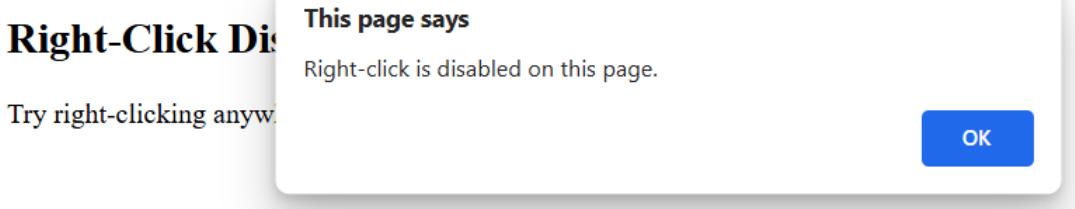
[Turn on the light](#)

[Turn off the light](#)

5. Link to file JavaScript (*.js)



6. Working with events



7. Multiplication Table

Multiplication Table Generator

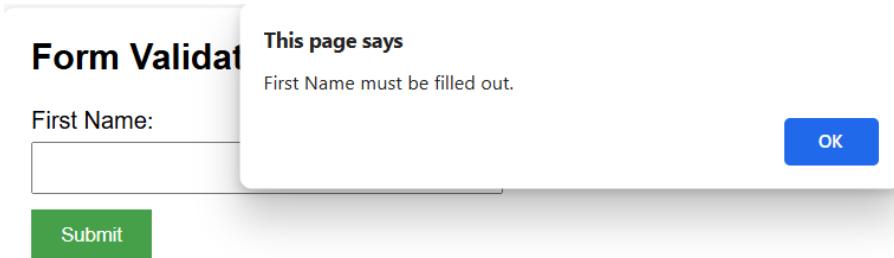
Enter number of rows:

Enter number of columns:

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

8. Client-side validation

Case 1



Case 2

Form Validation Example

First Name:

Submit

9. Numeric Input Validation

Case 1

Numeric Input

This page says

Age field cannot be empty.

Enter Your Age:

Enter a number

OK

Submit

Case 2

Numeric Input

This page says

Please enter a valid numeric value.

Enter Your Age:

evan|

OK

Submit

Case 3

Numeric Input

This page says

Please enter a number between 1 and 120.

Enter Your Age:

217

OK

Submit

Case 4

Numeric Input

This page says

Form submitted successfully!

Enter Your Age:

7

OK

Submit

10. Math Function

Incorrect guess

Guess the N

Try to guess the ran

Start Game

This page says

Not matched. The correct number was 9.

OK

Correct guess

Guess the N

Try to guess the ran

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

