



BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING)

COURSE NAME AND CODE:

CSF3133 – WEB-BASED INTERFACE DESIGN (K4)

LAB 6

SEMESTER I SESSION 2025/2026

PREPARED BY:

NAME: AINAA NADHIRAH BINTI ASMADI

MATRIC NUMBER: S75246

COURSE LECTURER:

DR. WAN NURAL JAWAHIR BINTI HJ WAN YUSSOF

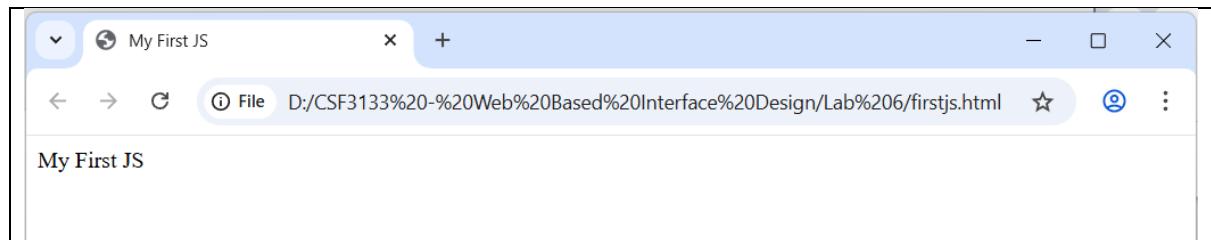
LAB MODERATOR:

PN. WAN FATIN FATIHAH BINTI YAHYA

## LAB 6

Activity 6.3 – Basic Javascript:

Result:



After change change the statement `document.write("My First JS!")` into  
`document.write("<b> My First </b>"+<i>Java Script</i>");`

Result:



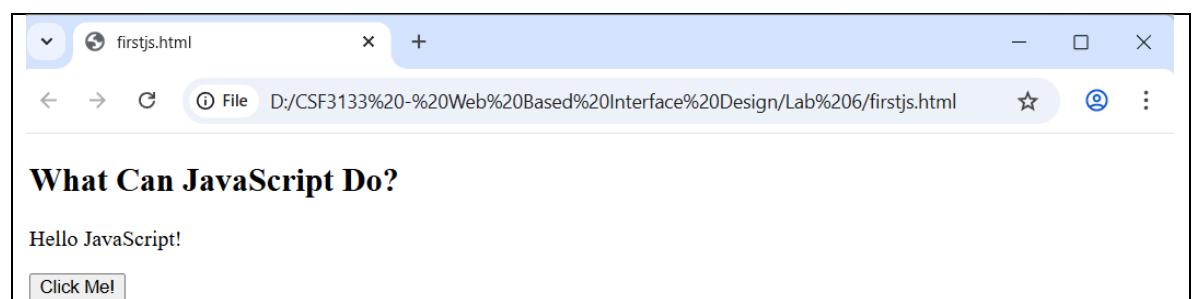
Activity 6.4 – getElementById():

Result:



After click the Click Me

Result:



## Activity 6.5 – Date and Time:

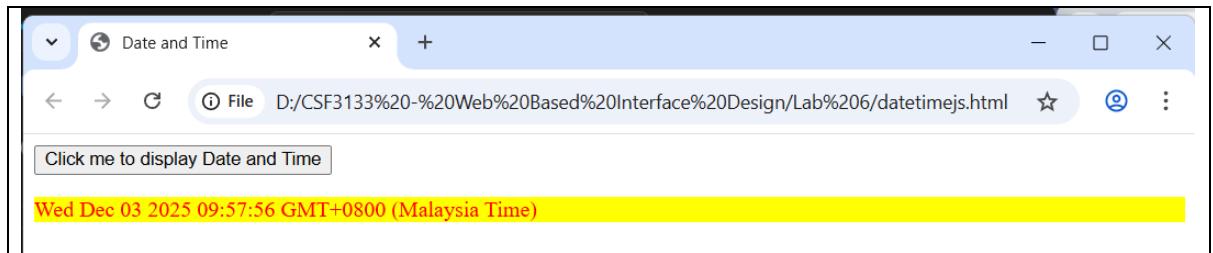
Result:



After you try to display date/time and get the result, now add these scripts to change the style of variable (demo):

```
document.getElementById("demo").style.color = "red";  
document.getElementById("demo").style.backgroundColor = "yellow";
```

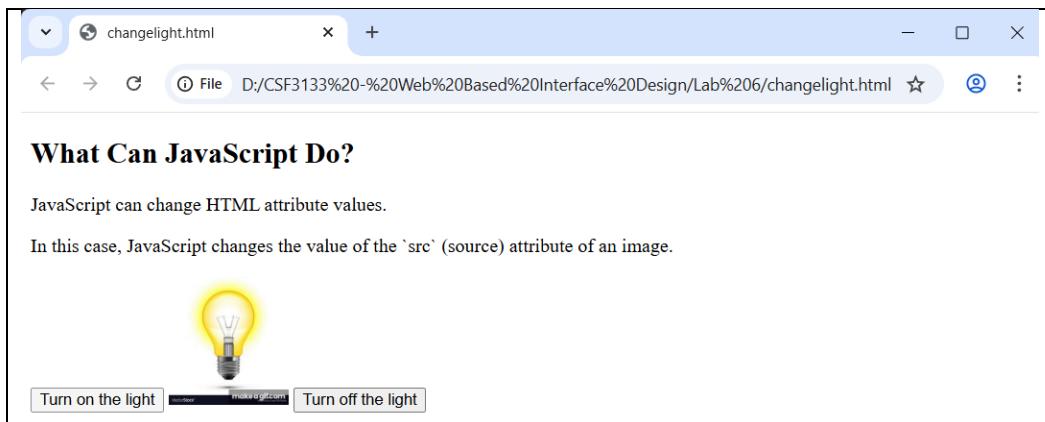
Result:



## Activity 6.6 – Change HTML Attribute Value

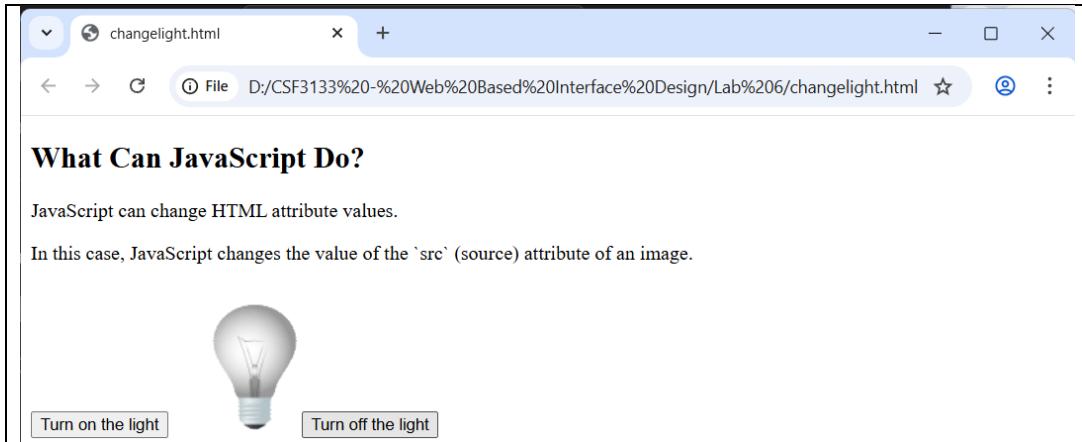
Turn on the light:

Result:



Turn off the light:

Result:



Activity 6.7 – Link to file Javascript (\*.js)

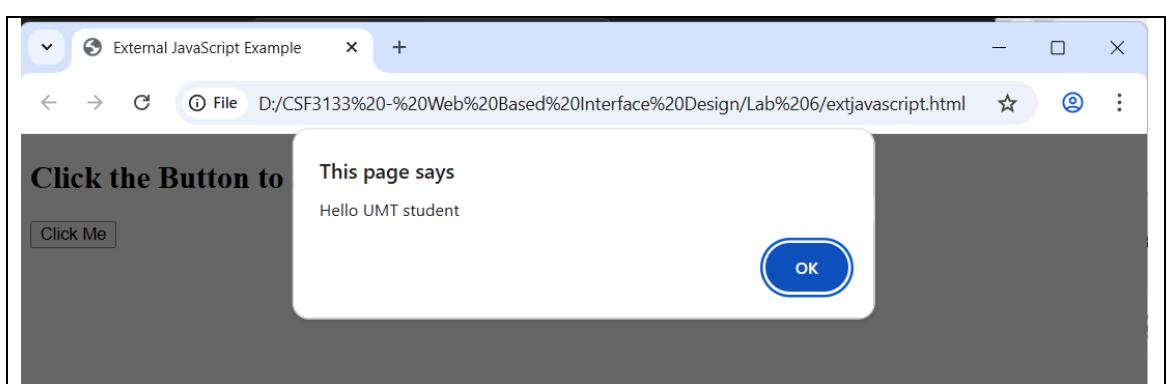
6.7.3 – External References:

Result:



After click the button “Click Me”

Result:

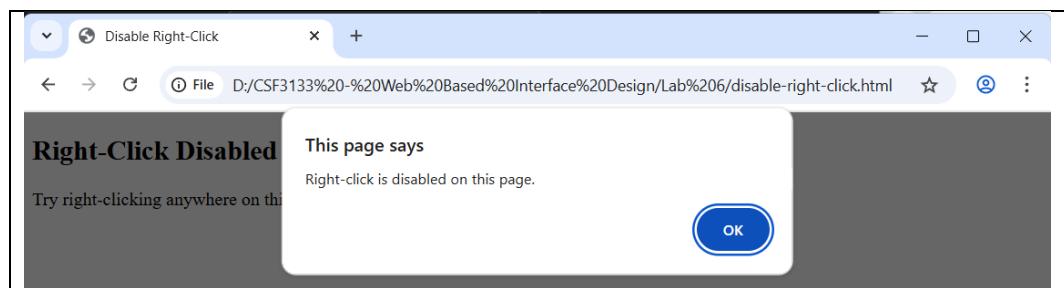


## Activity 6.8 – Working with events

Result:



After right-clicking anywhere:



## Activity 6.9 – Multiplication Table

Result:

A screenshot of a web browser window titled "Multiplication Table". The address bar shows the file path "D:/CSF3133%20-%20Web%20Based%20Interface%20Design/Lab%206/multiplication-table.html". The main content area displays a form with two input fields: "Enter number of rows: 6" and "Enter number of columns: 2". Below the inputs is a "Generate Table" button. To the right is a 6x2 grid table:

1	2
2	4
3	6
4	8
5	10
6	12

## Activity 6.10 – Client-side validation

### 6.10.1 – Form Validation

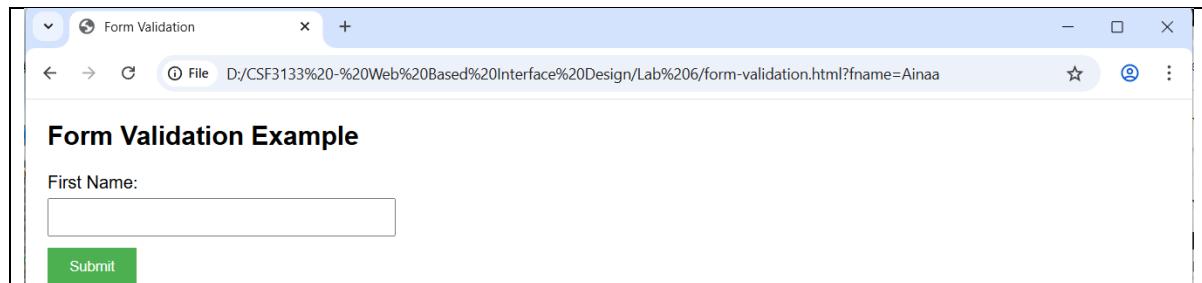
Case 1: Leave the "First Name" field empty and click Submit. An alert should appear saying, "**First Name must be filled out.**".

Result:



Case 2: Fill in the "First Name" field and click Submit. The form should submit successfully.

Result:



### 6.10.2 – Numeric Input Validation:

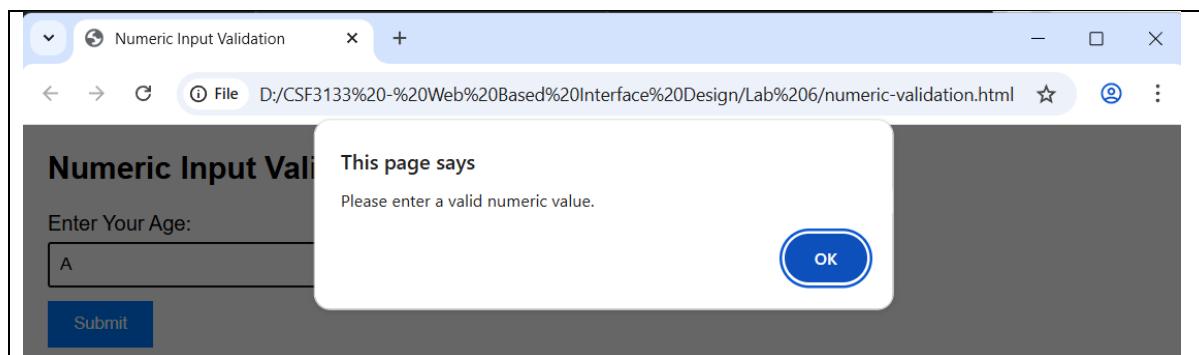
Case 1: Leave the input field empty and click Submit. An alert should appear saying, "**Age field cannot be empty.**".

Result:



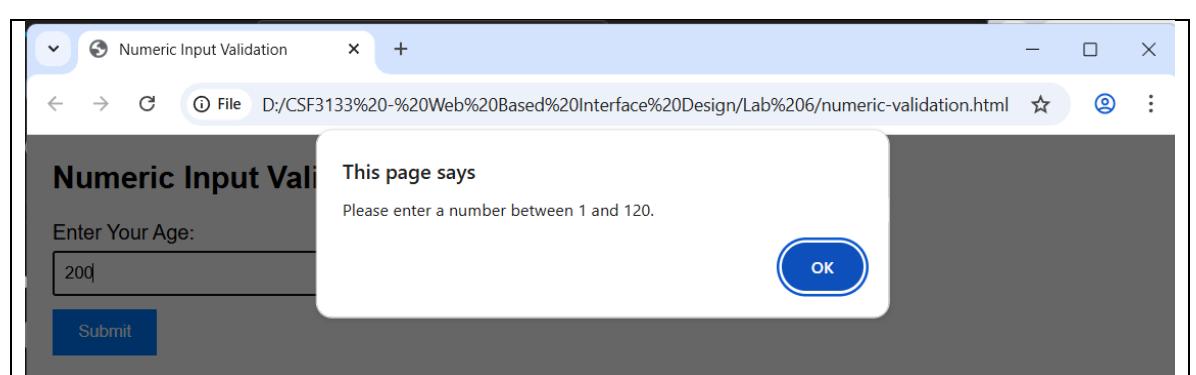
**Case 2:** Enter non-numeric characters and click Submit. An alert should appear saying, "**Please enter a valid numeric value**".

Result:



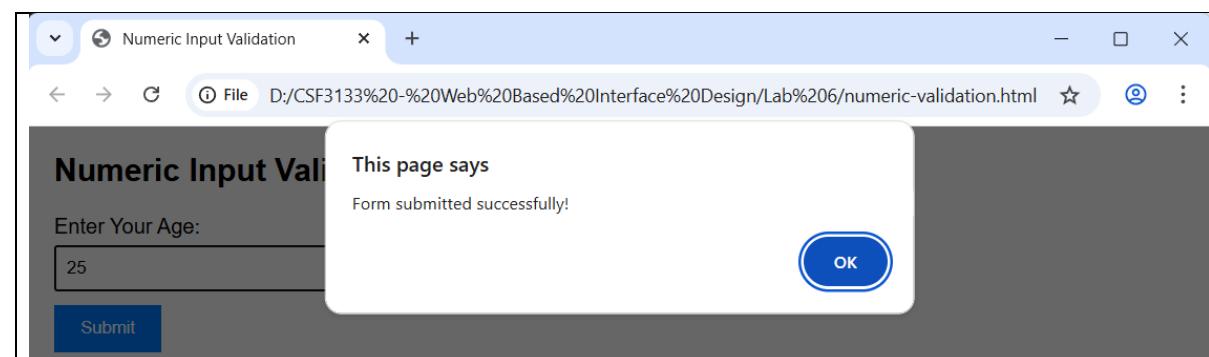
**Case 3:** Enter a number outside the range (e.g., -5 or 200) and click Submit. An alert should appear saying, "**Please enter a number between 1 and 120.**".

Result:



**Case 4:** Enter a valid number (e.g., 25) and click Submit. A success message will appear.

Result:



## Activity 6.11 – Math Function

### 6.11.1 - Guess a Number:

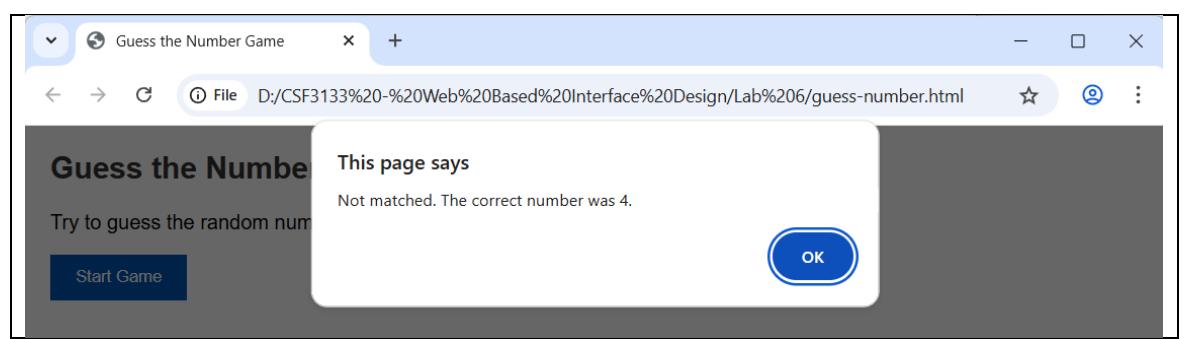
If guess matches the random number:

Result:



If guess is incorrect, along with the correct number:

Result:



## Lab Exercise 6:

Result:

Web Development Quiz  
Answer the questions before the time runs out.

Time: 15s

Click "Start Quiz" to start the question

Start Quiz    Next Question

Score: 0 / 0

When the answer is correct:

Web Development Quiz  
Answer the questions before the time runs out.

Question 1    Time: 7s

Which keyword declares a variable in JavaScript?

int

var

define

letvar

Correct!

Start Quiz    Next Question

Score: 1 / 4

When the answer is incorrect:

Result:

Web Development Quiz  
Answer the questions before the time runs out.

Question 1 Time: 14s

Which CSS property changes the text color?

font-style

background-color

color

text-decoration

Incorrect.

Start Quiz Next Question

Score: 0 / 4

When you didn't answer the question:

Result:

Web Development Quiz  
Answer the questions before the time runs out.

Question 2 Time: 0s

Which keyword declares a variable in JavaScript?

int

var

define

letvar

Time is up!

Start Quiz Next Question

Score: 0 / 4