



CSF3133

WEB-BASED INTERFACE DESIGN

LAB REPORT 3

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PROGRAMME	COMPUTER SCIENCE (SOFTWARE ENGINEERING)

Objectives

1. Differentiating between block and inline elements.
2. Using <div> for better web page organization.
3. Applying HTML entities to display special characters.
4. Implementing various HTML5 form elements.
5. Utilizing the <output> element to display dynamic results.

Block and Inline Elements

Block Elements

This is a block element

This is paragraph (block element)

- List item 1
- List item 2

Inline Elements

This is an inline element [This is a link \(inline element\)](#) **This is bold text (inline element)**

Using <div> to Organize Content

Header Section

Navigation Bar

Main Content Area

Sidebar Content

Footer Section

Understanding HTML Entities

Contoh Penggunaan Entiti HTML

Tag html terdiri daripada simbol < dan >

Website ini adalah hakmilik NATASYA ©

Message Filtering

1. **Error** The character encoding was not declared. Proceeding using windows-1252.
2. **Error** Missing space before doctype name.
At line 1, column 10
`<!DOCTYPE><html><h`
3. **Error** Nameless doctype.
At line 1, column 10
`<!DOCTYPE><html><h`
4. **Error** Quirky doctype. Expected `<!DOCTYPE html>`.
From line 1, column 1; to line 1, column 10
`<!DOCTYPE><html`

Hypertext Mark Up Language (HTML5)

HTML5

Saya suka HTML5

-Ain Natasya

Form Elements in HTML5

Input Elements in HTML5

Pilih warna kegemaran anda:

Carian:

Tarikh:


Masa:

Bulan dan Tahun:

Laman web:

Minggu:


Email:

 Please enter a URL.

Attributes for Input HTML5


Nama Pelajar:

Nama Bapa:

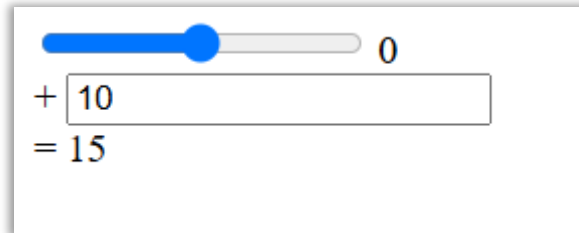
 Please fill out this field.

Nama Pelajar:

Nama Bapa:

 Please fill out this field.

HTML5 <output> element



+ 10
= 15

Lab Exercise 3

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Webpage Title</title>
7
8  </head>
9  <body>
10     <div id="page-container">
11         <div id="header"></div>
12         <header>
13             <form style="background-color: #f0f0f0;">
14                 <div style="color: #333333;">
15                     <h1>Pretty Inside Out</h1>
16                 </div>
17
18                 <span style="font-style: italic;">Be pretty everyday</span><br>
19                 </div>
20             </form>
21         </header>
22     </div>
23
24     <div id="content"></div>
25     <div class="contact-form">
26         <form style="background-color: #f0f0f0;">
27             <h3>Contact Us</h3>
28             <form>
29                 <label for="email">Email:</label>
30                 <input type="email" id="email" name="email" required><br><br>
31
32                 <label for="contact-date">Preferred Contact Date:</label>
33                 <input type="date" id="contact-date" name="contact-date"><br><br>
34
35                 <label for="satisfaction">Satisfaction Level (0-100):</label>
36                 <input type="range" id="satisfaction" name="satisfaction" min="0" max="100" value="50">
37             </form>
29         </form>
```

```

38         <br><br>
39         Date: <input type="date" name="tarikh">
40         <br>
41         Time: <input type="time" name="masa">
42         <br>
43         Month and year: <input type="month" name="bulandantahun">
44         <br>
45         <input type="submit" value="Sumbit">
46
47     </div>
48 </div>
49 <br>
50 -----
51 <div class="calculator">
52     <form style="background-color: #rgb(250, 189, 216);">
53         <div style="color: #rgb(192, 24, 83)">
54             <h3>Calculator</h3>
55         </div>
56
57         <input type="number" id="num1" placeholder="Enter number 1" oninput="calculateSum()"> +
58         <input type="number" id="num2" placeholder="Enter number 2" oninput="calculateSum()"> =
59         <output name="result" for="num1 num2" id="sum-output">0</output>
60
61         <script>
62             function calculateSum() {
63                 const num1 = parseFloat(document.getElementById('num1').value) || 0;
64                 const num2 = parseFloat(document.getElementById('num2').value) || 0;
65                 const sum = num1 + num2;
66                 document.getElementById('sum-output').value = sum;
67             }
68         </script>
69     </form>

```

```

70 </div>
71 </div>
72 <form style="background-color: #rgb(254, 130, 186);">
73 <div id="footer-section">
74     <footer>
75         <p>Contact Information: Natasya@cantik.com | Phone: 011-37492354</p>
76         <p>&copy; 2025 Nor Ain Natasya.</p>
77     </footer>
78 </div>
79 </form>
80 </div> </body>
81 </html>


```

Pretty Inside Out

Be pretty everyday


Contact Us


Email:

Preferred Contact Date: 

Satisfaction Level (0-100):

Date: 

Time: 

Month and year: 

Calculator

+ = 0

Contact Information: Natasya@cantik.com | Phone: 011-37492354

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