



**FACULTY OF COMPUTER SCIENCE AND MATHEMATICS**

WEB-BASED INTERFACE DESIGN

CSF3133

SEMESTER 1 SESSION 2025/2026

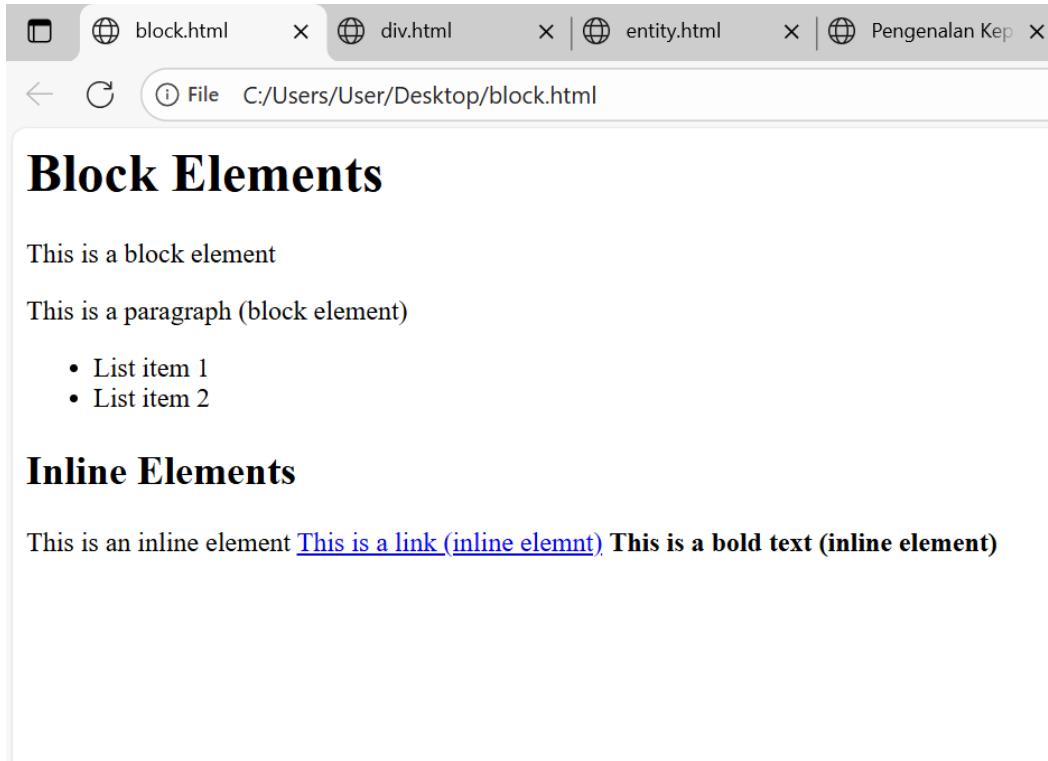
BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH  
HONOURS

**LAB MODULE 3**

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## 3.2 Block and Inline Elements

Output:

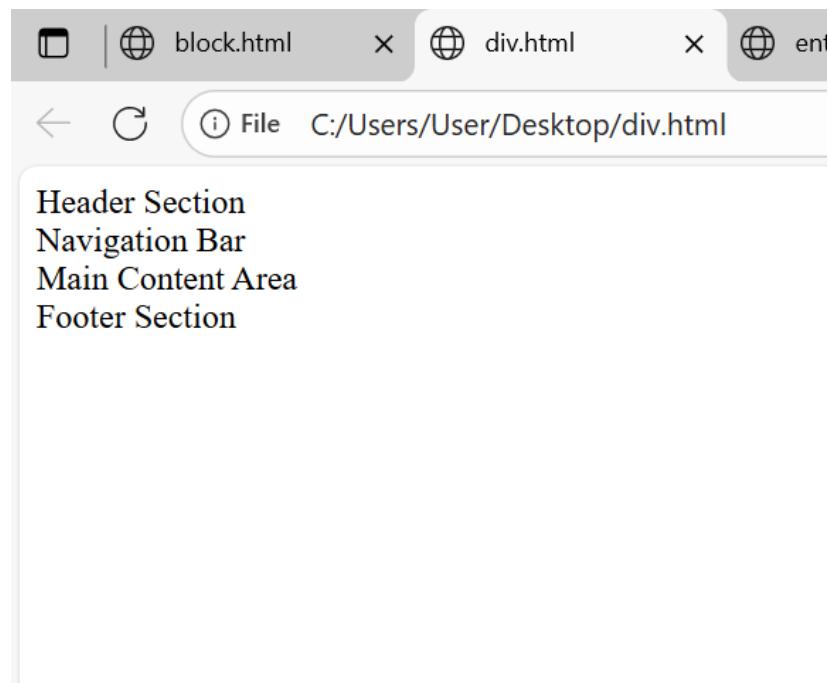


## Inline Elements

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

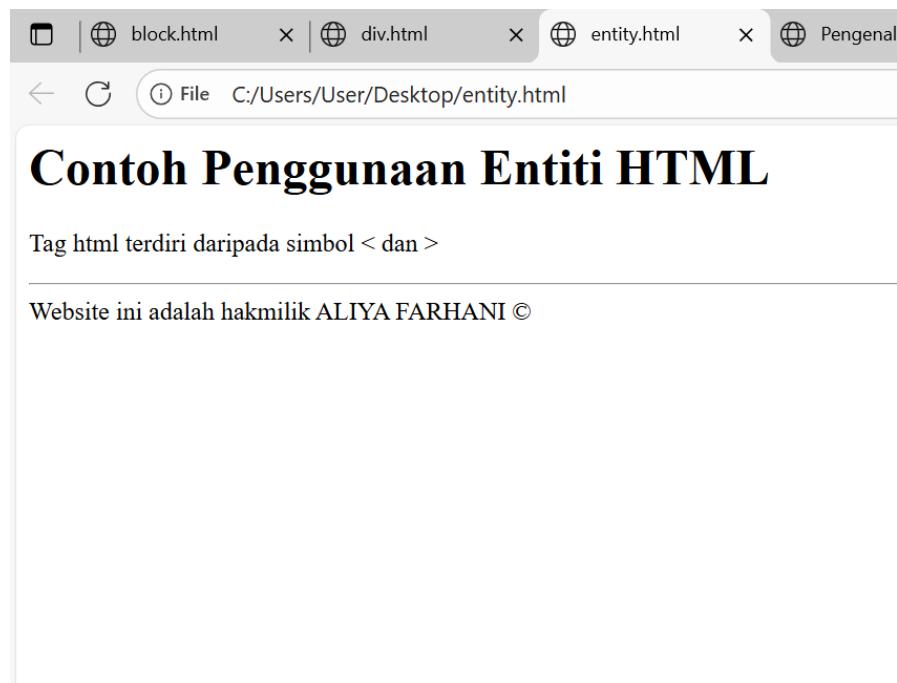
## 3.3 Using <div> to Organize Content

Output:



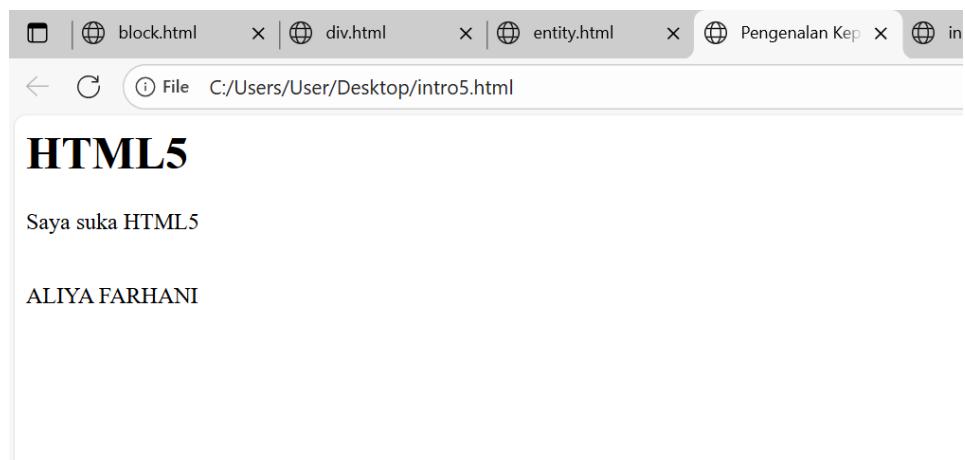
### **3.4 Understanding HTML Entities**

Output:



### **3.5 Hypertext Mark Up Language 5 (HTML5)**

Output:



### 3.6.1 Input Element in HTML5

Output:

The screenshot shows a web browser window with multiple tabs open. The active tab displays a form with several input fields:

- Pilih warna kegemaran anda: A color picker with a black square.
- Carian: An empty search bar.
- Tarikh: A date input field showing "dd/mm/yyyy".
- Bulan dan Tahun: A date range input field showing "----, ----".
- Laman web: An input field containing "url saya".
- Minggu: A dropdown menu showing "wee".
- Email: An input field containing "my en". A tooltip message "Please enter a URL." appears over this field.
- Hantar: A submit button.

### 3.6.2 Attributes for Input HTML5

Output:

The screenshot shows a web browser window with multiple tabs open. The active tab displays a form with two input fields and a button:

- Nama Pelajar: A placeholder text field with "Masukkan nama pelajar di :".
- Nama Bapa: A placeholder text field with "Masukkan nama napa pelaj".
- Simpan: A submit button.

### 3.6.3 HTML5 <output> element

Output:

The screenshot shows a web browser window with multiple tabs open. The active tab displays a form with a slider and a text input field:

- A horizontal slider with a blue dot at position 0, labeled with "0" and "10".
- An input field containing "10".
- An equals sign "=".

## 3.7 Lab Exercise 3

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact Form and Calculator</title>
</head>
<body>

    <!-- Header Section -->
    <div bgcolor="lightblue" align="center">
        <table width="100%" bgcolor="lightblue">
            <tr>
                <td>
                    <h1>My Contact Page <span>- Feedback & Tools</span></h1>
                    <p>Welcome to my simple webpage. Feel free to contact me or use the mini calculator below!</p>
                </td>
            </tr>
        </table>
    </div>

    <hr>

    <!-- Content Section -->
    <div>
        <h2>Contact Form</h2>
        <form>
            <label for="email">Email Address:</label><br>
            <input type="email" id="email" name="email" placeholder="Enter your email"><br><br>

            <label for="date">Preferred Contact Date:</label><br>
            <input type="date" id="date" name="date"><br><br>

            <label for="satisfaction">Satisfaction Level (0 - 10):</label><br>
            <input type="range" id="satisfaction" name="satisfaction" min="0" max="10"><br><br>

            <label for="message">Your Message:</label><br>
            <textarea id="message" name="message" rows="4" cols="40" placeholder="Type your message here..."></textarea><br><br>

            <input type="submit" value="Send Message">
        </form>
    </div>
</body>
```

```
<input type="submit" value="Send Message">
</div>

<hr>

<!-- Inline Calculator Section -->
<div>
    <h2>Inline Calculator</h2>
    <p>Enter two numbers below to calculate their sum:</p>

    <label>First number:</label>
    <input type="number" id="num1" value="0">
    <label>Second number:</label>
    <input type="number" id="num2" value="0" = >
    <output id="sum">0</output>

    <script>
        const num1 = document.getElementById("num1");
        const num2 = document.getElementById("num2");
        const sum = document.getElementById("sum");

        function calculateSum() {
            sum.value = Number(num1.value) + Number(num2.value);
        }

        num1.addEventListener("input", calculateSum);
        num2.addEventListener("input", calculateSum);
    </script>
</div>

<hr>

<!-- Footer Section -->
<div bgcolor="lightgray" align="center">
    <p>Contact us at: aliyafarhani@info.com</p>
    <p>&copy; 2025 Aliya Simple Contact Page. All Rights Reserved.</p>
</div>

</body>
</html>
```

## Output:

The screenshot shows a Microsoft Edge browser window with the title bar displaying multiple tabs: block.html, div.html, entity.html, Pengenalan, input5.html, inattribute5, output5.htm, and Contact Form. The current tab is 'Contact Form'. The address bar shows the file path: C:/Users/User/Desktop/lab3.html. The main content area of the browser displays a webpage titled 'My Contact Page - Feedback & Tools'. The page includes a heading 'Contact Form' and a message 'Welcome to my simple webpage. Feel free to contact me or use the mini calculator below!'. Below this, there is a form section with fields for 'Email Address' (input type='text' placeholder='Enter your email'), 'Preferred Contact Date' (input type='text' placeholder='dd/mm/yyyy'), and 'Satisfaction Level (0 - 10)' (a horizontal slider). There is also a text area for 'Your Message' with placeholder text 'Type your message here...' and a 'Send Message' button. Below the form, there is a section titled 'Inline Calculator' with instructions 'Enter two numbers below to calculate their sum:' and two input fields for 'First number' and 'Second number', both set to 0. The result is shown as 0. At the bottom of the page, there is contact information 'Contact us at: aliyafarhani@info.com' and a copyright notice '© 2025 Aliya Simple Contact Page. All Rights Reserved.' The browser's taskbar at the bottom shows various pinned icons and the system tray with the date and time (12:36 PM, 5/11/2025).









