**HTML, CSS, and JavaScript Editor Tasks - Complete Solutions**

### Problem Statement 1: HTML Code Editor Setup

**a. Brackets**

* Download from: <https://brackets.io>
* Install and open the application. Start a new .html or .css file.

**b. Dreamweaver**

* Adobe Dreamweaver: <https://www.adobe.com/products/dreamweaver.html>
* Install via Adobe Creative Cloud.

**c. Notepad**

* Default text editor in Windows. Save files with .html, .css, .js extensions.

### Problem Statement 2: HTML Tags and Linking Pages

<!-- index.html -->  
<html>  
<head><title>Homepage</title></head>  
<body>  
 <h1>Welcome to My Website</h1>  
 <p>This is the main page.</p>  
 <a href="about.html">Go to About Page</a>  
</body>  
</html>  
  
<!-- about.html -->  
<html>  
<head><title>About</title></head>  
<body>  
 <h1>About Us</h1>  
 <p>This page shares information.</p>  
 <a href="index.html">Back to Home</a>  
</body>  
</html>

### Problem Statement 3: HTML Markup Formatting

<html>  
<body>  
 <p><small>small text</small></p>  
 <p><mark>marked</mark> content</p>  
 <p><del>deleted</del> section</p>  
</body>  
</html>

### Problem Statement 4: Background Styling in CSS

<html>  
<head>  
<style>  
 body {  
 background-color: lightblue;  
 background-image: url('background.jpg');  
 background-size: cover;  
 background-position: center;  
 }  
</style>  
</head>  
<body>  
 <h1>Styled Background</h1>  
</body>  
</html>

### Problem Statement 5: CSS Float Images

<html>  
<head>  
<style>  
 img.float {  
 float: left;  
 margin: 10px;  
 width: 100px;  
 }  
</style>  
</head>  
<body>  
 <img class="float" src="image.jpg">  
 <p>Text that wraps around the image using float.</p>  
</body>  
</html>

### Problem Statement 6: CSS Pseudo Elements

<html>  
<head>  
<style>  
 div::after {  
 content: " (After Content)";  
 color: red;  
 }  
 div::first-letter {  
 font-size: 200%;  
 color: green;  
 }  
 div::selection {  
 background: yellow;  
 }  
</style>  
</head>  
<body>  
 <div>Select this text</div>  
</body>  
</html>

### Problem Statement 7: Website Structure

<html>  
<head><title>Website Structure</title></head>  
<body>  
 <header><h1>My Website</h1></header>  
 <nav><a href="#">Home</a> | <a href="#">Contact</a></nav>  
 <main><section><h2>Content</h2></section></main>  
 <footer><p>Copyright 2025</p></footer>  
</body>  
</html>

### Problem Statement 8: JavaScript Datatypes

<script>  
 let name = "John"; // String  
 let age = 25; // Number  
 let isStudent = true; // Boolean  
 let x; // Undefined  
</script>

### Problem Statement 9: Arrays and Methods in JavaScript

<script>  
 let fruits = ["Banana", "Apple", "Mango"];  
 fruits.push("Orange");  
 fruits.sort();  
 console.log(fruits);  
</script>

### Problem Statement 10: JavaScript DOM Selectors

<body>  
 <p id="para">Hello</p>  
 <div class="greeting">Hi</div>  
 <span>Welcome</span>  
  
 <script>  
 let byId = document.getElementById("para");  
 let byClass = document.getElementsByClassName("greeting");  
 let byTag = document.getElementsByTagName("span");  
 </script>  
</body>

### Problem Statement 11: Navbar and Placeholder Sections

<html>  
<head>  
<style>  
 nav {  
 background-color: #333;  
 color: white;  
 padding: 10px;  
 }  
</style>  
</head>  
<body>  
 <nav>Home | Services | Contact</nav>  
 <section id="placeholder"></section>  
 <script>  
 document.getElementById("placeholder").innerText = "Coming soon...";  
 </script>  
</body>  
</html>

### Problem Statement 12: Complete HTML Project with JS and CSS

<html>  
<head>  
<style>  
 body { font-family: Arial; background-color: #f2f2f2; }  
 .container { padding: 20px; }  
 table, th, td { border: 1px solid black; border-collapse: collapse; }  
</style>  
</head>  
<body>  
 <div class="container">  
 <h1>Dynamic Form</h1>  
 <form>  
 <input type="text" placeholder="Name"><br><br>  
 <input type="radio" name="gender"> Male  
 <input type="radio" name="gender"> Female<br><br>  
 <select>  
 <option>Choose</option>  
 <option>Option 1</option>  
 </select>  
 </form>  
  
 <img src="img.jpg" alt="Image"><br><br>  
  
 <table>  
 <tr><th>Name</th><th>Age</th></tr>  
 <tr><td>John</td><td>30</td></tr>  
 </table>  
 </div>  
  
 <script>  
 // Variables & Datatypes  
 let name = "Sumit";  
 let age = 22;  
 let isAdmin = false;  
  
 // Operators and Conditions  
 if (age > 18) {  
 console.log("Adult");  
 }  
  
 // Loops  
 for (let i = 0; i < 3; i++) {  
 console.log(i);  
 }  
  
 // DOM Events  
 document.addEventListener("click", () => {  
 alert("Page clicked");  
 });  
 </script>  
</body>  
</html>

**End of Document**