HTML & CSS Cheat Sheet

HTML Cheat Sheet

1. Basic Structure

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Page Title</title>
</head>
<body>
  <!-- content goes here -->
</body>
</html>
```

2. Headings & Text Elements

- <h1> to <h6>: Headings

- <p>: Paragraph

-
: Line Break

- <hr>: Horizontal Rule

- <strong>, <em>, <b>, <i>: Emphasis

3. Lists

```
<ul><li>Item</li></ul>
<ol><li>Item</li></ol>
```

4. Links & Images

```
<a href="page.html">Click Me</a>
<img src="img.jpg" alt="desc" width="100">
```

5. Tables

```
<table border="1">
  <tr><th>Head</th><th>Head</th></tr>
  <tr><td>Data</td><td>Data</td></tr>
</table>
```

6. Forms & Input Types

```
<form>
  <label>Name</label>
  <input type="text" required>
  <input type="submit" value="Send">
</form>
```

7. Attributes

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- id, class, src, href, alt

- placeholder, type, required, value, style

8. Semantic Tags

- <header>, <footer>, <section>, <article>

- <nav>, <main>, <aside>

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CSS Cheat Sheet

1. Selectors

- element, .class, #id, * (universal)

- div p (descendant), div > p (child)

- h1, p (grouping)

2. Colors

- color, background-color

- Use names, hex (#ff6600), rgb(), hsl()

3. Text Styling

```
font-size: 16px;
font-family: Arial, sans-serif;
font-weight: bold;
text-align: center;
color: #333;
```

4. Box Model

```
margin: 10px;
padding: 10px;
border: 1px solid black;
width: 100px;
height: 50px;
```

5. Display & Position

```
display: block | inline | flex;
position: static | relative | absolute | fixed;
top / left / right / bottom: 10px;
```

6. Flexbox

```
display: flex;
justify-content: center | space-between;
align-items: center;
```

7. Table Styling

```
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
  padding: 10px;
}
```

8. Image Styling

```
img {
  width: 100px;
  border-radius: 10px;
  transition: transform 0.3s;
}
img:hover {
  transform: scale(1.1);
}
```

9. Form Styling

```
input[type="text"], input[type="number"] {
  width: 100%;
  padding: 10px;
  border: 1px solid gray;
}
input[type="submit"] {
  background-color: black;
  color: white;
  padding: 10px;
  border-radius: 5px;
}
```

10. Useful Pseudo-Classes

- :hover

- :focus

- :first-child

- :nth-child(n)

Web Programming Lab Test - HTML, CSS & JS Cheat Sheet

- Access form: document.querySelector("form")

- Access input values: document.getElementById("id").value

- Add Event Listener: .addEventListener("submit", function(e) {...})

- Prevent default form submission: e.preventDefault()

- Basic Validation: if (value === "") { alert("...") }

- Alerts: alert("Thank you!")

- Reset form: form.reset()

- Data Types: string, number, boolean

- Variables: const, let

- Operators: +, -, ==, ===, &&, ||

- Conditions: if, else

- DOM Basics: document.getElementById(), querySelector()