MERN Stack Journey 🚀

Class 2: Introduction to CSS (Styling Basics)

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1. What is CSS?

CSS (Cascading Style Sheets) is used to **style HTML elements**. It controls the layout, colors, alignment, fonts, and overall look of a web page.

📌 **HTML = Structure**
📌 **CSS = Styling**

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2. Container Element (div)

Definition

The HTML `<div>` element is used as a **container** to group multiple HTML elements together.

Example:

```
<div>
    <h1>Tourism</h1>
    <p>Plan your trip wherever you want to go</p>
    <button>Get Started</button>
</div>
```

MCQ Practice

Q1. Which of the following HTML elements is used to wrap other HTML elements?

A) `<h1>`
B) `<div>`
C) `<p>`
D) `<button>`

🔗 **Answer:** `<div>`

Q2. The container element `<div>` is an _____.

A) HTML Element
B) CSS Property

🔗 **Answer:** HTML Element

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3. CSS Properties

CSS properties are used to define **how HTML elements should look**.

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4. CSS Syntax

General Syntax:

```
selector {
  property: value;
}
```

Example:

```
.h-center {
  text-align: center;
}
```

MCQ Practice

Q1. Refer to the given CSS code. Which of the following is a CSS property?

```
.h-center {
  text-align: center;
}
```

A) `text-align`
B) `.h-center`
C) `center`

🔗 **Answer:** `text-align`

Q2. Refer to the given CSS code. Which of the following is a CSS selector?

```
.h-left {
  text-align: left;
}
```

A) `text-align`
B) `.h-left`
C) `left`

🔗 **Answer:** `.h-left`

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5. Text Align Property

The `text-align` property is used to set the **horizontal alignment of text** inside an HTML element.

Syntax:

```
selector {
  text-align: value;
}
```

Values of `text-align`

Value	Description
center	Aligns text to the center
left	Aligns text to the left
right	Aligns text to the right

MCQ Practice

Q1. Refer to the given CSS code. Which of the following is a value for the CSS property `text-align`**?**

```
.h-right {
  text-align: right;
}
```

A) `text-align`
B) `.h-right`
C) `right`

🔗 **Answer:** `right`

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6. Class Attribute in HTML

The `class` attribute is used to **apply CSS styles** to HTML elements.

Example:

```
<div class="h-center">
  <h1>Tourism</h1>
</div>
```

7. First CSS Styled Code

index.html

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <div class="h-center">
      <h1>Tourism</h1>
      <p>Plan your trip wherever you want to go</p>
      <button>Get Started</button>
    </div>
  </body>
</html>
```

style.css

```
.h-center {
  text-align: center;
}
```

8. Interview Questions (Class 2 – CSS Basics)

Basic Level

1. What is CSS and why is it used?
2. What is the purpose of the `<div>` tag?
3. What is a CSS selector?
4. What is a CSS property?
5. What does `text-align` do?

Medium Level

1. Difference between class selector and element selector?
2. Can multiple elements share the same class?
3. What happens if CSS is not applied to an HTML page?
4. How does CSS improve maintainability?

Sample Interview Answer

"CSS is used to style HTML elements. It helps separate content from design, making websites more readable, reusable, and easier to maintain."

Summary

- `<div>` is a container HTML element
- CSS uses selectors, properties, and values
- `text-align` aligns text horizontally
- Classes connect HTML with CSS

📌**Next Class:** Colors, Fonts & Box Model in CSS

🧱*Prepared as part of my MERN Stack Journey*