⭐ 1. CSS Basics (Foundation) (Full Detail)

CSS is the **first and most important step** to become a Web Designer or Frontend Developer.

✅ What is CSS?

CSS stands for:

➡️ **Cascading Style Sheets**

CSS is used for:

✅ Designing HTML pages
✅ Adding colors, fonts, spacing
✅ Making websites responsive
✅ Creating animations and layouts

Example:

HTML without CSS looks plain:

```
<h1>Hello World</h1>
```

With CSS:

```
h1 {
  color: blue;
  font-size: 40px;
}
```

✅ Now the heading becomes colorful and bigger.

🖼️ CSS Basics Image (Foundation)

Here is a simple visual explanation:

✅ CSS Basics Poster

(Generated Image)

✅ Why CSS is Needed?

HTML only creates structure:

- Heading
- Paragraph
- Button

CSS makes it attractive:

- Colors
- Layout
- Design
- Animation

Example:

HTML Role	CSS Role
Structure	Styling
Skeleton	Skin

✅ Ways to Apply CSS (3 Methods)

There are **three ways** to write CSS:

✅ 1. Inline CSS

CSS written directly inside the HTML tag.

Example:

```
<h1 style="color: red;">Hello CSS</h1>
```

✅ Used for small styling

❌ Not recommended for large websites

✅ 2. Internal CSS

CSS written inside `<style>` tag in HTML file.

Example:

```
<head>
  <style>
    h1 {
      color: green;
    }
  </style>
</head>
```

✅ Used for single-page design

✅ 3. External CSS (Best Method ✅)

CSS written in a separate `.css` file

Example:

HTML File:

```
<link rel="stylesheet" href="style.css">
```

CSS File (style.css):

```css
h1 {
  color: blue;
}
```

✅ Best for real projects
✅ Reusable and clean code

✅ CSS Syntax (Rule Structure)

CSS follows this pattern:

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

Example:

```css
p {
  color: red;
  font-size: 20px;
}
```

Parts Explained:

Part	Meaning
p	Selector
color	Property
red	Value

✅ CSS Comments

Comments help developers understand code.

Syntax:

```css
/* This is a comment */
```

Example:

```css
/* Styling the main heading */
h1 {
  color: purple;
}
```

✅ Browser ignores comments

✅ Basic Example Program

HTML:

```html
<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      background: lightyellow;
    }

    h1 {
      color: darkblue;
    }

    p {
      font-size: 18px;
    }
  </style>
</head>

<body>
  <h1>Welcome to CSS</h1>
  <p>This is CSS Basics.</p>
</body>
</html>
```

✅ Output: Beautiful styled web page

✅ CSS Foundation Topics Summary

✔ What is CSS
✔ Why CSS is important
✔ 3 Ways to apply CSS
✔ CSS Syntax
✔ CSS Comments
✔ Basic Styling Example

CSS Basics (Foundation)

→ What is CSS?

- CSS stands for Cascading Style Sheets
- Used to style HTML pages.

CSS 3

→ Ways to Apply CSS:

Three Methods to use CSS:

1. Inline CSS.

```
<h1 style="color: red;'>Inline CSS</h1>
```

Directly in the tag.

2. Internal CSS.

```
<style> h1 { color: blue, } </style>
```

Inside &:headget.

2. Internal CSS.

3. External CSS.

styles.css

`<link..>"styles.css>`

→ CSS Syntax

Basic CSS Rule Structure:

```
h1 { color: red; }
```

↑ Selector ↑ Property ↑ Value

— Selector { Property: Value; }

→ Comments in CSS

How to write comments in CSS:

```
//* This is a comment */
```

Ignored by the browser.

Learn CSS to Style Your Website!

✅ CSS Basics (Foundation) Interview Questions & Answers

✅ Q1. What is CSS?

Answer:
CSS stands for **Cascading Style Sheets**.
It is used to style HTML elements like colors, fonts, layout, and spacing.

✅ Q2. Why do we use CSS?

Answer:
We use CSS to:

- Make websites beautiful

- Add colors, fonts, background

- Control layout and design

- Improve user experience

✅ Q3. What does Cascading mean in CSS?

Answer:
Cascading means CSS rules follow a priority order:

1. Inline CSS (highest priority)

2. Internal CSS

3. External CSS (lowest priority)

✅ Q4. What are the different ways to apply CSS?

Answer:
There are **3 ways to apply CSS**:

1. Inline CSS

2. Internal CSS

3. External CSS ✅

✅ Q5. What is Inline CSS?

Answer:
Inline CSS is written inside an HTML element using the `style` attribute.

Example:

```
<h1 style="color: red;">Hello</h1>
```

✅ Q6. What is Internal CSS?

Answer:
Internal CSS is written inside the `<style>` tag within the `<head>` section.

Example:

```
<style>
  h1 {
    color: blue;
  }
</style>
```

✅ Q7. What is External CSS?

Answer:
External CSS is written in a separate `.css` file and linked with HTML.

Example:

```
<link rel="stylesheet" href="style.css">
```

✅ Best method for large projects.

✅ Q8. Which CSS type is best and why?

Answer:
✅ External CSS is best because:

- Code is clean

- Easy to manage

- Reusable for many pages

- Best for real-world websites

✅ Q9. What is the basic syntax of CSS?

Answer:
CSS syntax contains:

- Selector

- Property

- Value

Example:

```
h1 {
  color: red;
}
```

✅ Q10. What is a Selector in CSS?

Answer:
A selector selects HTML elements that you want to style.

Example:

```css
p {
  font-size: 20px;
}
```

Here, p is a selector.

✅ Q11. What is a Property in CSS?

Answer:
A property defines what styling to apply.

Example:

```css
color: blue;
```

Here, color is property.

✅ Q12. What is a Value in CSS?

Answer:
Value tells the property how much or what type of style is needed.

Example:

```css
color: green;
```

Here, green is value.

✅ Q13. What is the difference between HTML and CSS?

Answer:

HTML	CSS

Creates structure	Adds styling
Skeleton of webpage	Beauty of webpage
Headings, Forms	Colors, Layout

✅ Q14. Can we use multiple CSS files in one HTML page?

Answer:
Yes ✅ We can link multiple external CSS files.

Example:

```
<link rel="stylesheet" href="style1.css">
<link rel="stylesheet" href="style2.css">
```

✅ Q15. How do you write comments in CSS?

Answer:
CSS comments are written like:

```
/* This is a comment */
```

Comments are ignored by browser.

✅ Q16. What is the use of CSS comments?

Answer:
CSS comments are used for:

- Explaining code

- Making code readable

- Helping developers during debugging

✅ Q17. What happens if two CSS rules conflict?

Answer:
The browser follows CSS priority:

✅ Inline > Internal > External
✅ Latest written rule wins

✅ Q18. What is a stylesheet?

Answer:
A stylesheet is a file that contains CSS code used to style web pages.

Example:

```
style.css
```

✅ Q19. What is the difference between style tag and link tag?

Answer:

`<style>` Tag	`<link>` Tag
Used for Internal CSS	Used for External CSS
Inside HTML file	Connects CSS file

✅ Q20. What is the extension of CSS file?

Answer:
CSS files are saved with:

✅ `.css`

Example:

```
style.css
```

✅ Topic Completed: CSS Basics Interview Questions

✔ What is CSS
✔ Types of CSS
✔ Syntax
✔ Selector, Property, Value
✔ Comments
✔ Difference between HTML & CSS
✔ Priority order