


WEB DEVELOPMENT BASICS

HTML,CSS,JAVASCRIPT

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INTRODUCTION TO WEB DEVELOPMENT

- ❑ Web development is the process of building websites and applications for the internet.
 - ❑ It involves three core technologies: HTML, CSS, and JavaScript.
 - ❑ These form the foundation of front-end web development.
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- Three parallel white lines of varying lengths are positioned diagonally in the bottom right corner of the slide, extending from the right edge towards the center.

HTML BASICS

- ❑ HTML stands for HyperText Markup Language.
- ❑ It structures the content of web pages.
- ❑ Uses elements called 'tags'.

HTML STRUCTURE & TAGS

Basic tags: <html>, <head>, <body>, <p>, <h1>–<h6>, <a>, .

- Provides semantic meaning to content.
- Example:

```
<html>
```

```
  <body>
```

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

```
  </body>
```

```
</html>
```

HTML EXAMPLE

Example of a simple HTML page:

```
<html>
```

```
  <head><title>My Page</title></head>
```

```
  <body>
```

```
    <h1>Welcome</h1>
```

```
    <p>This is a paragraph.</p>
```

```
  </body>
```

```
</html>
```

CSS INTRODUCTION

- ❑ CSS stands for Cascading Style Sheets.
- ❑ Used to style and design web pages.
- ❑ Works with HTML to improve appearance.

CSS TYPES & SYNTAX

- Types: Inline, Internal, External.

Syntax:

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

```
Example: p { color: blue; font-size: 16px; }
```

CSS STYLING EXAMPLE

□ Example of CSS:

```
body { background-color: lightblue; }
```

```
h1 { color: navy; }
```

```
p { font-size: 18px; }
```


JAVASCRIPT INTRODUCTION

- ❑ JavaScript is a scripting language.
- ❑ Used to make web pages interactive.
- ❑ Runs in browsers.

JAVASCRIPT FEATURES

- ❑ Lightweight and interpreted.
- ❑ Object-oriented.
- ❑ Event-driven and asynchronous.
- ❑ Supported by all modern browsers.

JAVASCRIPT EXAMPLE PROGRAM

Example:

```
<script>
```

```
    alert('Hello, World!');
```

```
</script>
```

- Used for pop-ups, validation, and interactivity.

JAVASCRIPT USES

- ❑ Form validation.
- ❑ Dynamic content updates.
- ❑ Interactive elements like sliders.
- ❑ Backend development using Node.js.

COMPARISON OF HTML, CSS, AND JAVASCRIPT

- ❑ HTML → Structures the content.
- ❑ CSS → Styles the content.
- ❑ JavaScript → Adds interactivity

APPLICATIONS IN WEB DEVELOPMENT

- ❑ HTML provides the backbone of webpages.
- ❑ CSS enhances design and layout.
- ❑ JavaScript powers dynamic and interactive features.
- ❑ Together, they create modern websites and web apps.

CONCLUSION & REFERENCES

- ❑ HTML, CSS, and JavaScript are essential for web development.
- ❑ They define structure, design, and behavior.

References:

- ❑ www.w3schools.com
- ❑ developer.mozilla.org