

DexNotePro: HTML Foundations

🌐 About This Course

Welcome to **HTML Foundations**, your first step into the world of web development.

HTML (HyperText Markup Language) is the skeleton of every website — it defines the structure and content that browsers display.

By the end of this course, you'll:

- Understand HTML tags, elements, and attributes
- Build and style your first web page
- Learn proper structure and best practices
- Be ready to move into CSS, JavaScript, and front-end frameworks

Module 1: Introduction to HTML

What Is HTML?

HTML stands for **HyperText Markup Language**.

It tells browsers what content to display and how to structure it.

A simple example:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Page</title>
  </head>
  <body>
    <h1>Hello, DexNote Learner!</h1>
    <p>Welcome to your first website.</p>
  </body>
</html>
```

Try This ☐

1. Open VSCode or any code editor.

2. Create a file named `index.html`.
3. Copy the code above and open it in your browser. 🕒

Module 2: Structure of an HTML Document

Each HTML file has two main sections:

- `<head>` → contains metadata, title, and links
- `<body>` → contains visible page content

Example

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>DexNote Webpage</title>
</head>
```

Try This 🧐

Add a `<meta>` tag with your name as the author.

Module 3: Text Formatting and Headings

HTML offers six levels of headings (`<h1>` to `<h6>`) and various text tags.

Example:

```
<h1>Main Title</h1>
<h2>Subheading</h2>
<p><b>Bold</b>, <i>Italic</i>, <u>Underline</u></p>
```

Try This ☐

Create a webpage with your favorite quotes using headings and paragraphs.

Module 4: Lists and Links

Lists

```
<ul>
  <li>Apple</li>
  <li>Banana</li>
</ul>
```

```
<ol>
  <li>Step 1</li>
  <li>Step 2</li>
</ol>
```

Links

```
<a href="https://ishaan7india.github.io/DexNotePro/">Visit
DexNotePro</a>
```

Try This 🎮

Add three of your favorite websites as clickable links.

Module 5: Images and Multimedia

Adding Images

```

```

Embedding Videos

```
<video controls>
  <source src="intro.mp4" type="video/mp4">
</video>
```

Try This 🎬

Add your school or project logo and a video embed from YouTube using `<iframe>`.

Module 6: Tables

Tables organize data neatly.

```
<table border="1">
  <tr>
    <th>Name</th>
    <th>Grade</th>
  </tr>
  <tr>
    <td>Ishaan</td>
    <td>A+</td>
  </tr>
</table>
```

Try This 📄

Make a table of your friends' names and marks.

Module 7: Forms and Inputs

Forms collect user data.

```
<form>
  <label>Name:</label>
  <input type="text"><br>
  <label>Email:</label>
  <input type="email"><br>
  <input type="submit" value="Submit">
</form>
```

Try This ✍️

Create a “Feedback Form” with fields for name, rating, and message.

Module 8: Semantic HTML

Semantic tags give meaning to your page.

Examples:

```
<header>Header Section</header>
<nav>Navigation Bar</nav>
<main>Main Content</main>
<footer>Footer Info</footer>
```

Try This ⚙️

Recreate your earlier page using `<header>`, `<main>`, and `<footer>`.

Module 9: Mini Project – Personal Portfolio

Let's build your first project!

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Portfolio</title>
  </head>
  <body>
    <header>
      <h1>Your Name</h1>
      <p>Web Developer | Student | Creator</p>
    </header>
    <main>
      <h2>About Me</h2>
      <p>I love coding and creating web apps.</p>
      <h2>Projects</h2>
      <ul>
        <li>Calculator</li>
        <li>Weather App</li>
      </ul>
    </main>
    <footer>
      <p>Contact: youremail@example.com</p>
    </footer>
  </body>
</html>
```

Try This 🚀

Add a profile photo and style it with inline CSS
(`style="color:blue;"`).

Module 10: Next Steps

Congrats! 🎉 You've built your first static website.
Next, learn **CSS Foundations** to style your pages beautifully.

You can also explore:

- Responsive Design with Flexbox & Grid
- JavaScript for Interactivity
- Hosting your website with GitHub Pages

Completion Reminder

✓ You've finished the **HTML Foundations** course!
Visit **DexNotePro** and mark your course as complete to unlock your next track.

🔗 <https://ishaan7india.github.io/DexNotePro/>