

PDF_VERSION_LEARNING_CODE_001

This is how u start a new HTML website:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Freaky Archive</title>
  <link rel="stylesheet" href="style.css">
</head>
```

Lets try and understand what each line of code does
by breaking it into smaller portions:

```
<!DOCTYPE html>
<html lang="en">
```

First line of "information" to the browser
about what document type to expect

Second line, declaring the language.

Important for: Accessibility (screen-readers), search engine optimization (SEO),
auto-translation.

The Metadata Section

<head> - The Metadata Section

This section does not display content, but provides important information for the browser.

a)

<meta charset="UTF-8"> - Character Encoding

- This ensures that your webpages **supports special characters** (e.g., é, ñ, ü, ♥)
- UTF-8 is a **universal encoding system** that supports almost all characters from different languages.
- Without this, some characters might display incorrectly.

b)

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

Responsive Design

- Helps your webpage to **adapt** to different **screen sizes**, especially on mobile devices.
- `width=device-width` makes the page match the devices screen width.
- `initial-scale=1.0` sets the default zoom level (1.0 means no zoom).
- Without this, website may look too small or too large on phones/tablets

c) TITLE (Important for "findability")

```
<title>My Freaky Archive</title> - Page Title (obviously)
```

- Sets the **name of the webpage tab** in the browser.
- Helps with **SEO**, as search engines display this title in results.
- Should be **clear, short, and relevant** to the page's content.

```
<link rel="stylesheet" href="style.css"> - Linking a CSS File
```

- This links an **external CSS file** (`style.css`) to style your webpage.
- `rel="stylesheet"` tells the browser it's a **style file**.
- `href="style.css"` is the path to the CSS file.

Summary for Notes:

- `<html lang="en">` → Sets language to English for browsers & screen readers.
- `<meta charset="UTF-8">` → Supports special characters (e.g., ñ, é, √).
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">` → Makes site mobile-friendly.
- `<title>My Freaky Archive</title>` → Sets page title (seen in the browser tab).
- `<link rel="stylesheet" href="style.css">` → Connects an external CSS file for styling.

For Reference, heres the whole code again, and i changed "MyFreakyWebsite" to more a more basic wording.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Custom Website</title>
  <link rel="stylesheet" href="style.css">
```

```

</head>
<body>
  <header>
    <h1>Welcome to My Custom Website</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="art.html">Art</a></li>
        <li><a href="music.html">Music</a></li>
        <li><a href="stories.html">Stories</a></li>
        <li><a href="videos.html">Videos</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <p>This is where I will showcase my works!</p>
  </main>
  <footer>
    <p>© 2025 Skinny Beak | Hosted on Neocities</p>
  </footer>
</body>
</html>

```

Understanding the `<body>` Section

The `<body>` tag contains **everything visible** on the webpage, like text, images, and links.

1. `<header>` – The Website Header

The `<header>` section is usually **at the top** of a webpage and contains:

- The **main title** (`<h1>`)
- A **navigation menu** (`<nav>`)

a) `<h1>Welcome to My Custom Website</h1>` – Main Heading

- `<h1>` is the **largest and most important** heading.
- It tells visitors (and search engines) **what the site is about**.

b) `<nav>` – The Navigation Bar

- `<nav>` stands for **navigation** and contains links to other pages.
- Inside `<nav>` , we use `` (unordered list) to organize the links.

2. `` – Unordered List (For the Menu)

The `` (unordered list) contains `` (list items), which are the menu links. Each `` contains an `<a>` (anchor/link) tag.

Breakdown of a Menu Item:

```
<li><a href="index.html">Home</a></li>
```

- `` → This is a single list item.
- `Home` → This is a **link** inside the list item.
 - `href="index.html"` → This tells the browser **which page to open** when clicked.
 - `Home` → This is the text **the user sees** and clicks.

Looking Closer at the Menu Items:

```
<li><a href="music.html">Music</a></li>
<li><a href="stories.html">Stories</a></li>
<li><a href="videos.html">Videos</a></li>
```

These links navigate to **different pages**:

- `music.html` → A page about music.
- `stories.html` → A page for stories.
- `videos.html` → A page for videos.

3. `<main>` – The Main Content Area

The `<main>` section contains the **main body content** of the webpage.

```
<main>
  <p>This is where I will showcase my works!</p>
</main>
```

- `<p>` → This is a paragraph tag. It holds a simple description.
- `<main>` is **SEO-friendly** because search engines recognize it as the **most important content**.

4. `<footer>` – The Website Footer

The `<footer>` is placed at the **bottom of the page** and usually contains:

- **Copyright information**
- **Credits or legal notices**
- **Links to external sites**

Example Breakdown

```
<footer>
  <p>© 2025 Skinny Beak | Hosted on Neocities</p>
</footer>
```

- © 2025 Skinny Beak → Shows copyright information.
- Hosted on Neocities → Credits where the site is hosted.
- Placing this in <footer> helps keep **consistent branding** on every page.

Summary for Your Notes

1. <header> → The **top section** of the site, contains:
 - <h1> → Main heading (title of the site).
 - <nav> → Navigation bar with menu links.
2. (unordered list) → Holds (list items) for menu links.
 - Page Name → Links to other pages.
3. <main> → Contains the **main content** of the page.
 - <p> → A paragraph describing the site's purpose.
4. <footer> → Bottom section with copyright and hosting info.