

Part One - HTML Basics

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01 – Concepts Related to Webpages

1. **URL (Uniform Resource Locator):** The address we enter in the browser.
2. **Webpage:** Each individual page displayed by the browser.
3. **Website:** A collection of multiple webpages forming a single site.
4. **Web Standards:**

Structure



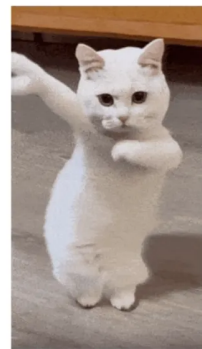
HTML

Style



CSS

Behavior



JavaScript

02 – A Taste of HTML

1. Step 1: Right-click => New => Text Document => Enter the following content and save.

```
<details>
  <summary>The secret to mastering programming:</summary>
  Subscribe to Codex and Start Coding Today!
</details>
```

2. Step 2: Change the file extension to `.html` , then double-click to open it.

The file extension `.htm` can also be used here, but the more standard `.html` is recommended.

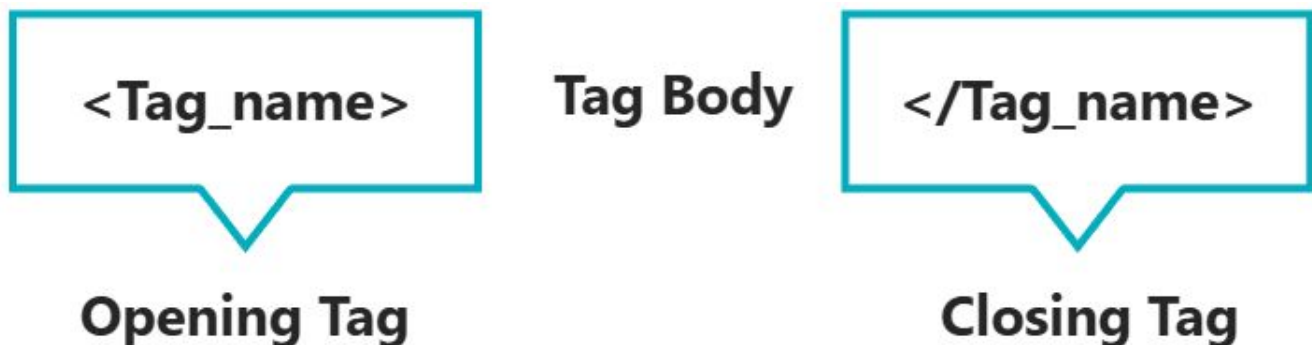
3. Programmers write **source code**, which is handed over to the browser for rendering.

4. To view a webpage's **source code** using the browser, follow these steps:

Right-click on a blank area of the webpage => Select **View Page Source**.

03 – HTML Tags

1. **Tags**, also known as **elements**, are the basic building blocks of HTML.
2. Tags are categorized into: **paired tags** and **self-closing tags** (the vast majority are paired tags).
3. Tag names are **case-insensitive**, but lowercase is recommended as it is more standard.
4. Paired tags:



Example Code:

```
<details>
  <summary>The secret to mastering programming:</summary>
  Subscribe to Codex and Start Coding Today!
</details>
```

5. Self-closing Tags:



Note: The / in self-closing tags can be omitted

Example Code:

```
<input>
```

6. The relationships between tags: **parallel relationship** and **nested relationship**. Indentation can be done using the **Tab key**:

```
<details>
  <summary>The secret to mastering programming:</summary>
  Subscribe to Codex and Start Coding Today!
  <input>
</details>
<input>
```

