

WhatsApp Class Online –Website Design Course

What is HTML?

HTML stands for **HyperText Markup Language**. It is the standard language used to create web pages.

□ Basic Structure of an HTML Page:-

Save file name as first.html on your desktop:-

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Web Page</title>
  </head>
  <body>
    <h1>Hello, world!</h1>
    <p>This is my first HTML page.</p>
  </body>
</html>
```

Open your notepad++ and type above code as shown below :-

Explanation:

- <!DOCTYPE html> – Tells the browser you're using HTML5.
- <html> – Root of the HTML document.
- <head> – Contains metadata (e.g., title, styles).
- <title> – Sets the title shown on the browser tab.
- <body> – Contains everything visible on the web page.

*new 1 - Notepad++

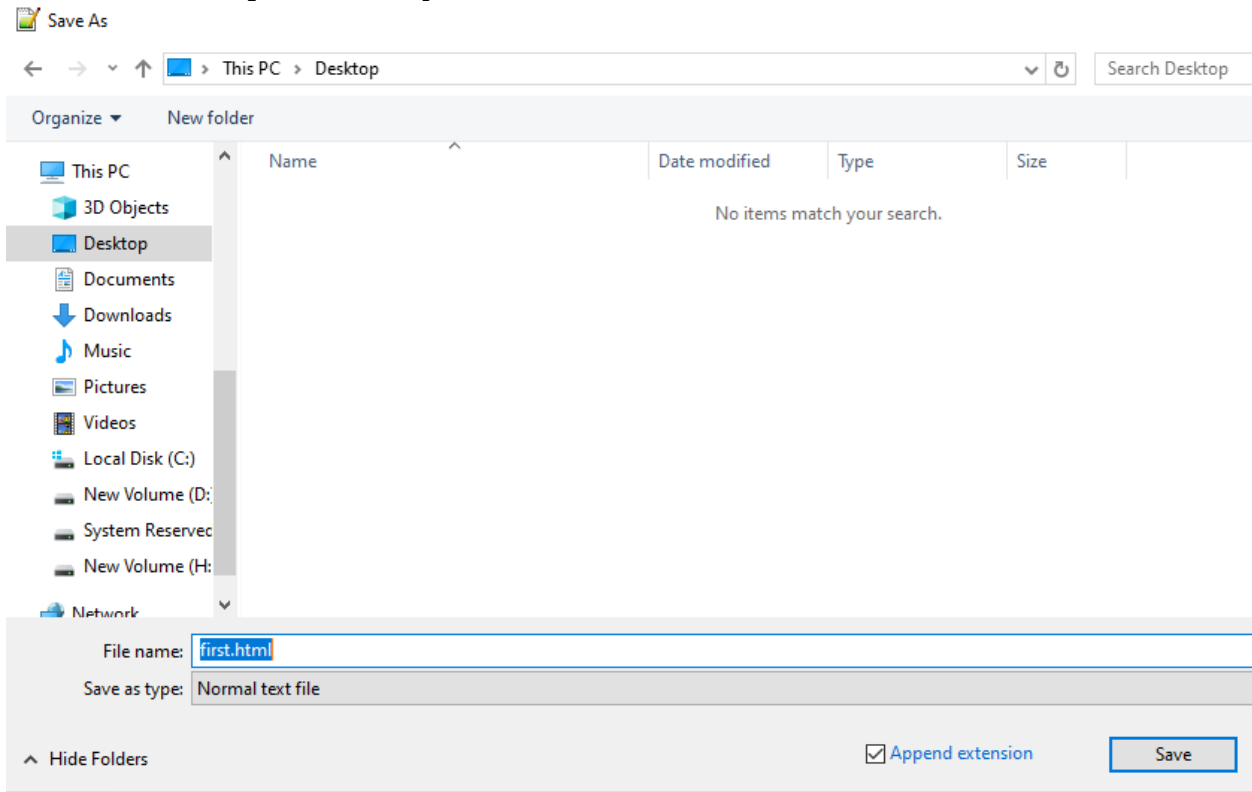
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?



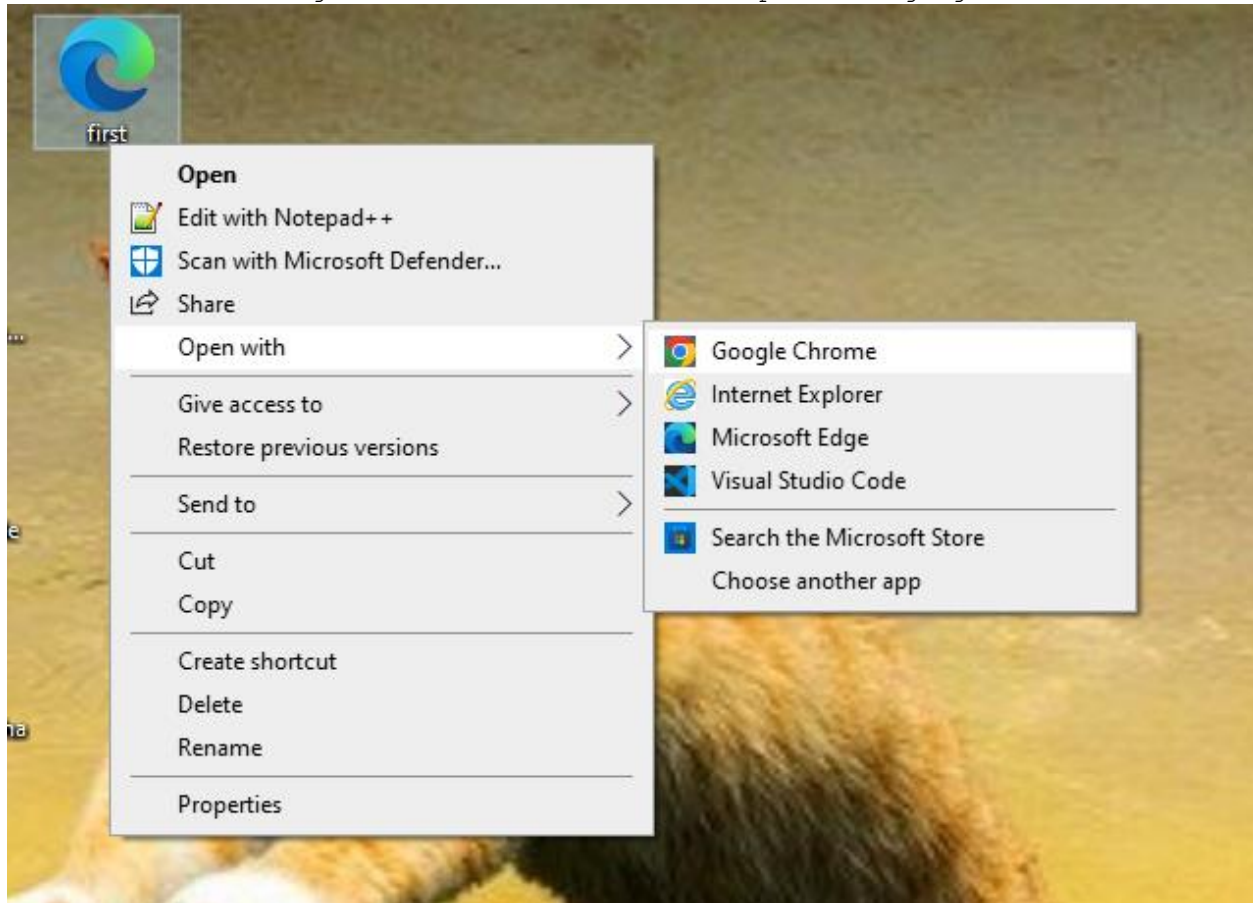
new 1

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>My First Web Page</title>
5   </head>
6   <body>
7     <h1>Hello, world!</h1>
8     <p>This is my first HTML page.</p>
9   </body>
10 </html>
11
```

And save it to your desktop as first.html file as shown below :-

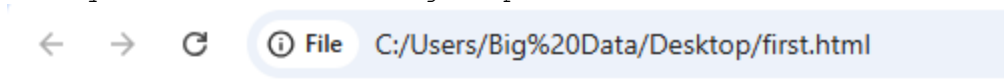


And after saving go to your desktop you will see your first.html file as shown below and right click on this file and open with google chrome.



And open in chrome or any browser.

Then you will see following output:-



Hello, world!

This is my first HTML page.

□ Common HTML Elements

Tag	Description
<h1> to <h6>	Headings (h1 is largest, h6 is smallest)
<p>	Paragraph
	Link to another page or website
	Image
 / / 	Unordered/Ordered list items
 	Line break
<hr>	Horizontal rule/line
 / 	Bold and italic emphasis

□ Example: A Simple Page

Save file name as **page.html** on your desktop :-

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Profile</title>
  </head>
  <body>
    <h1>Welcome to My Profile</h1>
    <p>Hi, I'm learning HTML!</p>
    <a href="https://www.facebook.com">Visit Facebook</a>
    <br><br>
    
    <ul>
      <li>HTML</li>
      <li>CSS</li>
      <li>JavaScript</li>
    </ul>
  </body>
</html>
```

And open it with google chrome as we have done previous example.

Output:-

Hello, world!

This is my first HTML page.

Welcome to My Profile

Hi, I'm learning HTML!

[Visit Facebook](#)



Tips for Beginners

1. Use a code editor like **VS Code** or **Notepad++**.
2. Save your file with a `.html` extension.
3. Open it in a browser to see the result.
4. Practice by building small web pages.

Below is a detailed guide with examples and explanations for **HTML basics**, including the most common tags and what each does.

□ 1. `<!DOCTYPE html>` – Declares the HTML version

```
<!DOCTYPE html>
```

Explanation:

Tells the browser that the page is written in **HTML5**, which is the latest standard.

□ 2. `<html>` – Root of the HTML document

```
<html>  
  <!-- All content goes inside here -->  
</html>
```

Explanation:

All HTML content must be placed within the `<html>` tag.

□ 3. `<head>` – Metadata (not visible to users)

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

Explanation:

Contains information *about* the document – like the title, character set, links to CSS or JavaScript.

□ 4. `<title>` – Page title shown in browser tab

```
<title>My Website</title>
```

Explanation:

Displays this text in the browser tab and helps with SEO (Search Engine Optimization).

□ 5. <body> – Visible content of the web page

```
<body>
  <h1>Welcome!</h1>
  <p>This is the content of the page.</p>
</body>
```

Explanation:

Everything inside the <body> is visible to the user.

□ 6. <h1> to <h6> – Headings

```
<h1>Main Heading</h1>
<h2>Subheading</h2>
<h3>Smaller Heading</h3>
```

Explanation:

- <h1> is the **largest** and most important heading.
 - <h6> is the **smallest**.
 - Use them to organize your content hierarchically.
-

□ 7. <p> – Paragraph

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

Explanation:

Displays a block of text. Browsers add space above and below a paragraph automatically.

□ 8. <a> – Anchor (Link)

```
<a href="https://www.google.com">Visit Google</a>
```

Explanation:

- Creates a **clickable link**.
- href attribute specifies the URL.

□ 9. – Image

```

```

Explanation:

- `src` – URL or file path of the image.
- `alt` – Description shown if the image fails to load.

□ 10. , , – Lists

Unordered list (bullets):

```
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>JavaScript</li>
</ul>
```

Ordered list (numbers):

```
<ol>
  <li>Wake up</li>
  <li>Eat breakfast</li>
  <li>Go to work</li>
</ol>
```

Explanation:

- `` – Bullet points.
- `` – Numbered list.
- `` – Each list item.

□ 11.
 – Line break

```
<p>Hello<br>World!</p>
```

Explanation:

Breaks the line. Useful inside a paragraph or address.

□ 12. `<hr>` – Horizontal line

```
<p>Section 1</p>
<hr>
<p>Section 2</p>
```

Explanation:

Adds a horizontal rule to separate content.

□ 13. `` and `` – Emphasis

```
<p>This is <strong>important</strong>.</p>
<p>This is <em>emphasized</em>.</p>
```

Explanation:

- `` – Bold text, also shows importance.
 - `` – Italic text, adds emphasis.
-

□ Full Example: Put It All Together:-

Save file name as index.html:-

```
<!DOCTYPE html>
<html>
  <head>
    <title>HTML Basics</title>
  </head>
  <body>
    <h1>Welcome to My Website</h1>
```

```
<p>This is a paragraph explaining what the site is about.</p>

<h2>Learn More</h2>
<a href="https://www.google.com">Visit Google</a>

<h2>Technologies</h2>
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>JavaScript</li>
</ul>

<h2>Steps to Start</h2>
<ol>
  <li>Install a Code Editor</li>
  <li>Write HTML</li>
  <li>Open in a Browser</li>
</ol>


<hr>
<p>Made with <strong>love</strong> and <em>coffee</em>.</p>
</body>
</html>
```