

1. What is HTML?

It is a markup language for describing _____ documents (pages).

- HTML stands for _____.
- A markup language is a set of markup _____.
- HTML documents are described by _____.
- Each HTML tag _____ different document content.

Example

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

2. HTML Tags

HTML tags are **keywords** (tag names) surrounded by **angle brackets**:

`<tagname>content goes here...</tagname>`

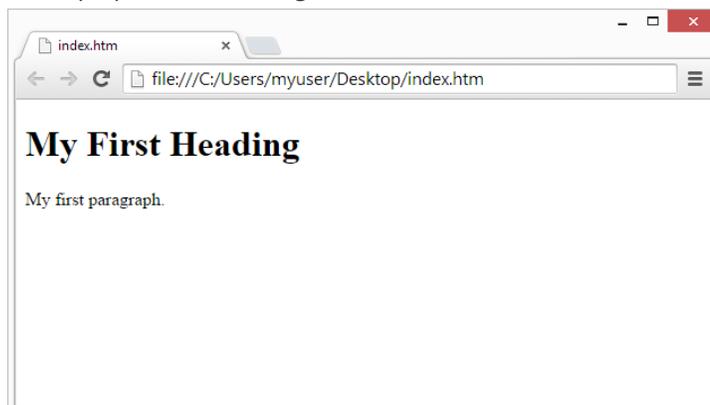
- HTML tags normally come in **pairs** like `<p>` and `</p>`
- The first tag in a pair is the **start tag**, the second tag is the **end tag**
- The end tag is written like the start tag, but with a **forward slash** inserted before the tag name

The start tag is also called the **opening tag**, and the end tag the **closing tag**.

3. Web Browsers

The purpose of a web browser (Chrome, IE, Firefox, Safari) is to _____.

The browser does not display the HTML tags, but uses them to determine how to display the document:



Below is a visualization of an HTML page structure:

```
<html>
  <head>
    <title>Page title</title>
  </head>
  <body>
    <h1>This is a heading</h1>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>
  </body>
</html>
```

4. Write HTML Using Notepad or TextEdit

Web pages can be created and modified by using professional HTML editors.

However, for learning HTML we recommend a simple text editor like Notepad (PC) or TextEdit (Mac).

We believe using a simple text editor is a good way to learn HTML.

Follow the four steps below to create your first web page with Notepad or TextEdit.

Step 1: Open Notepad (PC)

Open Notepad in Windows 8 or later:

Open the **Start Screen** (the window symbol at the bottom left on your screen). Type **Notepad**.

Open Notepad in Windows 7 or earlier:

Click **Start** (bottom left on your screen). Click **All Programs**. Click **Accessories**. Click **Notepad**.

Step 1: Open TextEdit (Mac)

Open TextEdit.

Please be sure that the text editor is set to **plain text**. Go to: **Preferences > New Document > select plain text**.

Also make sure both "**Display html file as html code**" and "**Display RTF file as RTF code**" options are checked under "**Open and Save**".

Then open a new document to place the code.

Step 2: Write Some HTML

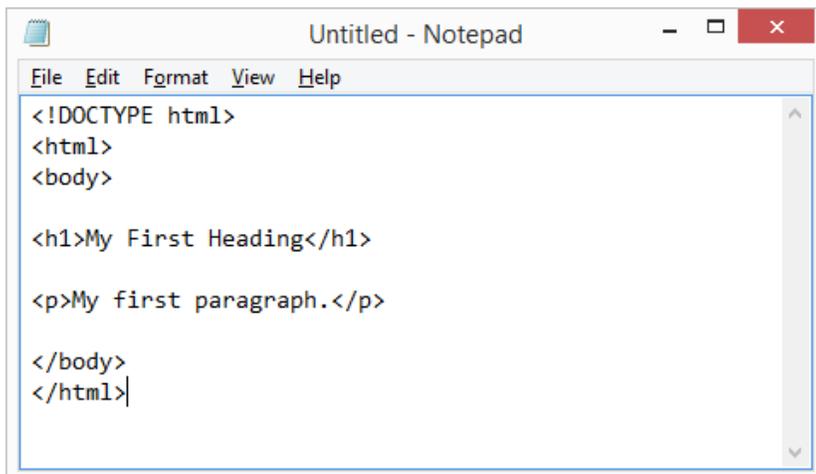
Write or copy some HTML into Notepad.

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

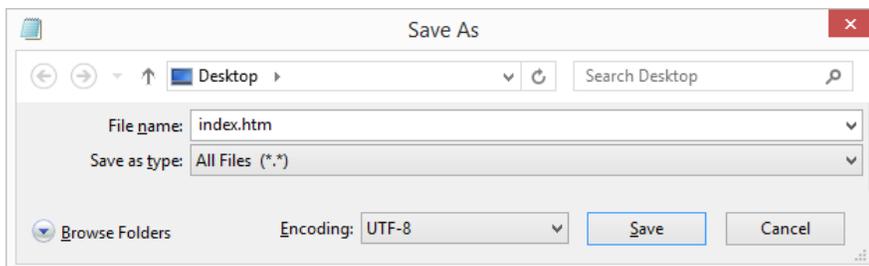
</body>
</html>
```



Step 3: Save the HTML Page

Save the file on your computer. Select **File > Save as** in the Notepad menu.

Name the file "**index.htm**" and set the encoding to **UTF-8** (which is the preferred encoding for HTML files).



You can use either .htm or .html as file extension. There is no difference, it is up to you.

Step 4: View the HTML Page in Your Browser

Open the saved HTML file in your favorite browser (double click on the file, or right-click - and choose "Open with").

The result will look much like this:



5. HTML Documents

All HTML documents must start with a document type declaration: `<!DOCTYPE html>`.

The HTML document itself begins with `<html>` and ends with `</html>`.

The visible part of the HTML document is between `<body>` and `</body>`.

Example

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

6. HTML Headings

HTML headings are defined with the `<h1>` to `<h6>` tags.

`<h1>` defines the most important heading. `<h6>` defines the least important heading:

Example

```
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
```

7. HTML Paragraphs

HTML paragraphs are defined with the `<p>` tag:

Example

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

8. HTML Links

HTML links are defined with the `<a>` tag:

Example

```
<a href="http://www.w3schools.com">This is a link</a>
```

The link's destination is specified in the **href attribute**.

Attributes are used to provide additional information about HTML elements.

9. HTML Images

HTML images are defined with the `` tag.

The source file (**src**), alternative text (**alt**), and size (**width** and **height**) are provided as **attributes**:

Example

```

```