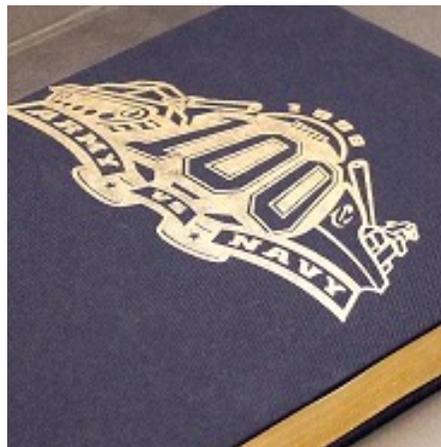


## Understanding HTML:

Let's consider these books below. When we first see a book, we see the cover. A cover holds a *title*, author information, imagery icon sometimes, other small *details before* actually entering *the book pages itself*, like search engine result details. This is true for the front cover and side of a book, also known as a *head*.

A inside of a book is where you show your cover topic more in depth in the *body's* pages' beginning intro, middle, end conclusion, and cites or copyright info. Inside books, typically shows a way to find a particular page, the table of contents or index acting as a form of linking *navigation*. The actual pages holds our content we want the user to interact with.

HTML in pureness gives an outline with breakdowns of what we want our search engine cover to see before a user clicks on the site, and what structured order will the user see once they are on the site. HTML on its' own does not provide visual dynamics and complete layout intentions beyond outline structure.



See the preview info wrapping around from the front to side allowing viewers a little bit of details before entering.

An icon that represents what this book is about, 'ARMY VS NAVY'. In a browser instead, you may have noticed on other websites icons inside the tab.

Different books sometimes structure different. However, this book clearly shows different sections of the book's body like navigation to pages.

In HTML a *< less than sign* facing a *> greater than sign* are considered a tag, `<>` .

With few exceptions, a pair of tags are necessary to make a proper set, one for opening, and one for closing.

The **opening tag** is `<>`.

The **closing tag** has a forward slash `/` in it after the greater than sign `< / >`

Example:

```
<openingTag1of2> </closingTag2of2>
```

*Note: This was a demo, the names will be the same in open and close tag.*

The exception outside of a pair of tags are **self closing tags**. These open and close in the same one tag `< / >` .

It looks like a closing tag without characters. The different is with the characters inside. Characters go in front of the forward slash versus a closing tag the characters goes after the forward slash.

Example:

```
<selfClose/> versus </closingTag>
```

The **type of tag** is based on the name abbreviations inside the tag. They're already pre-existing we just define them.

Example:

```
<> + html and < / > + html, inside the tags, equals a html tag <html></html>
```

```
< / > + img inside the tags, equals an image, img tag <img/>
```

## HTML Syntax Without Content

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title> </title>  
    <meta/>  
    <link/>  
  </head>  
  <!-- -->  
  <body>  
    <header> </header>  
    <nav> </nav>  
    <div> </div>  
    <img/>  
    <footer> </footer>  
  </body>  
</html>
```

 parent of green, grandparent of black

 parent of black     siblings

## HTML Syntax With Content

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>This is where a title tag is. </title>  
    <meta attribute=Content data for the search engines./>  
    <link attribute=Content data for the server & browser to retrieve./>  
  </head>  
  <!--This is a HTML comment, a note, only seen in code not on site-->  
  <body>  
    <header>This is where a header tag is. </header>  
    <nav>This is where a nav, navigation, tag is.</nav>  
    <div> This is where a div, non-predefined custom, tag is.</div>  
    <img attribute=Content data for the server & browser to retrieve./>  
    <footer>This is where a footer tag is. </footer>  
  </body>  
</html>
```

 content in between a open and close tag

 content contribute to search engine or retrieved for webpage in self close tag

## HTML With Content Output to Browser Window:

This is where a title tag is. + NOTE: The browser will show a ' file:/// '... when using local computer.

[www.yourwebsitenamegoeshere.com](http://www.yourwebsitenamegoeshere.com)

This is where a header tag is. This is where a nav, navigation, tag is. This is where a div, non-predefined custom, tag is.  This is where a footer tag is.



Nested, a *child*, inside the <head> </head> . The content in the <title> </title> results this.



This is where a title tag is. +

[www.yourwebsitenamegoeshere.com](http://www.yourwebsitenamegoeshere.com)

This is where a header tag is. This is where a nav, navigation, tag is. This is where a div, non-predefined custom, tag is.  This is where a footer tag is.

Nested, a *child*, inside the <body> </body> . The content inside the header, nav, div, and footer tags.

