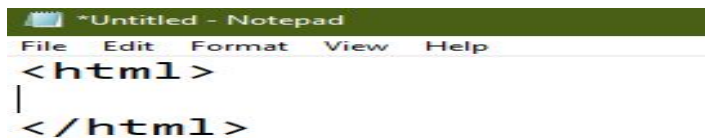


HTML:


Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

HTML is made up of tags. Tags is how html defines areas and sections of the document and its how a web browser would read and interpret the code. The first tag you need in html is the html tag. Tags in html require opening and closing. As shown in the picture below the first tag `<html>` is known as the opening tag and the second tag `</html>` is known as the closing tag where the code ends.

A screenshot of a Notepad window titled '*Untitled - Notepad'. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The text area contains the following code:


```
<html>
|
</html>
```

Within the html tag there are two main sections: the head and body. It is good practice to use indentation so that the code is easy to read. The head section is where the information about the page would go, while the body section is where the actual content which is displayed to the user would go.

 *Untitled - Notepad
File Edit Format View Help

```
<html>
  <head>
  </head>

  <body>
  </body>
</html>
```

 *Untitled - Notepad
File Edit Format View Help

```
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
  </body>
</html>
```

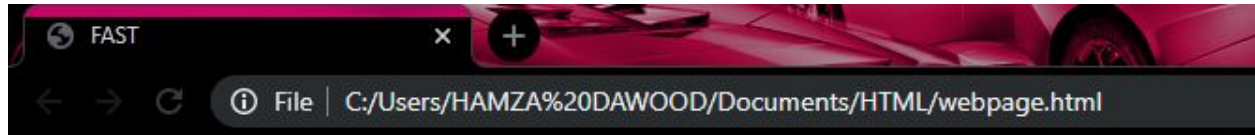
As you can see in the header tag there is another tag named as title with FAST. This is the text displayed in the web browser title bar

```
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <h1>Hello World</h1>
    <h2>Hello World</h2>
    <h3>Hello World</h3>
    <h4>Hello World</h4>
    <h5>Hello World</h5>
    <h6>Hello World</h6>

  </body>
```

In the body there is a tag known as `<h1>` which is basically used to display headings on a webpage and can go as far as `<h6>`, after `<h6>` it will appear as a normal text. Note that `<h1>` appears as the main headings and the others preceding it are subheadings which reduces in size as we move forward.



Hello World

Hello World

Hello World

Hello World

Hello World

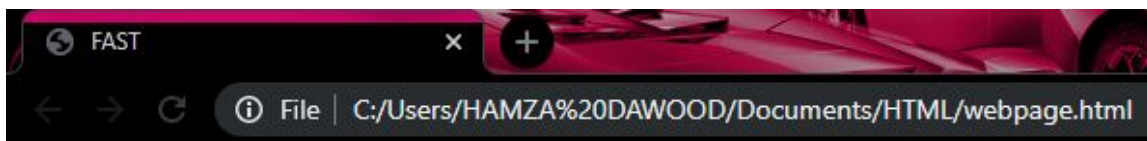
Hello World

Hello World

Next is the paragraph tag which is denoted by `<p>`. It is used to write text after the heading.

```
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <h1>Hello World</h1>
    <p>This is my first webpage.</p>
    <p>Another one.</p>
  </body>
</html>
```



Hello World

This is my first webpage.

Another one.

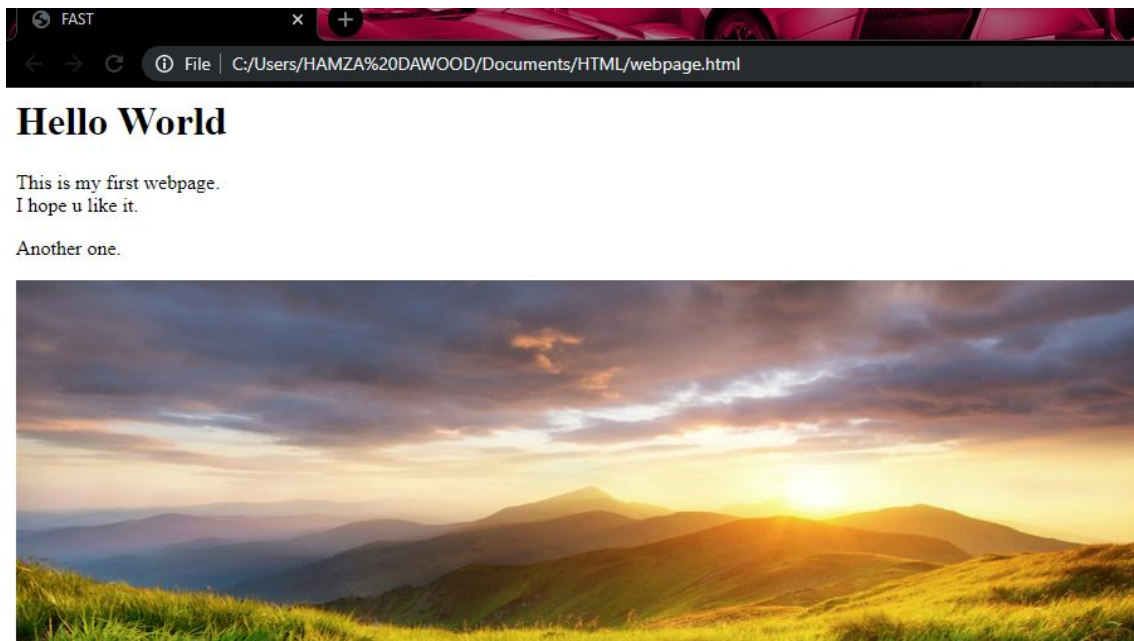
As u can see the text that I wrote in between the paragraph tag is printed on webpage on a new line but it is not a single line. What if we wanted two sentence in the same paragraph tag to be on separate line ? for this purpose we will use break tag `
` which will print the second text on the new line.

```
*webpage - Notepad
File Edit Format View Help

<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <h1>Hello World</h1>
    <p>This is my first webpage.<br></br>I hope u like it.</p>
    <p>Another one.</p>
    
  </body>
</html>
```

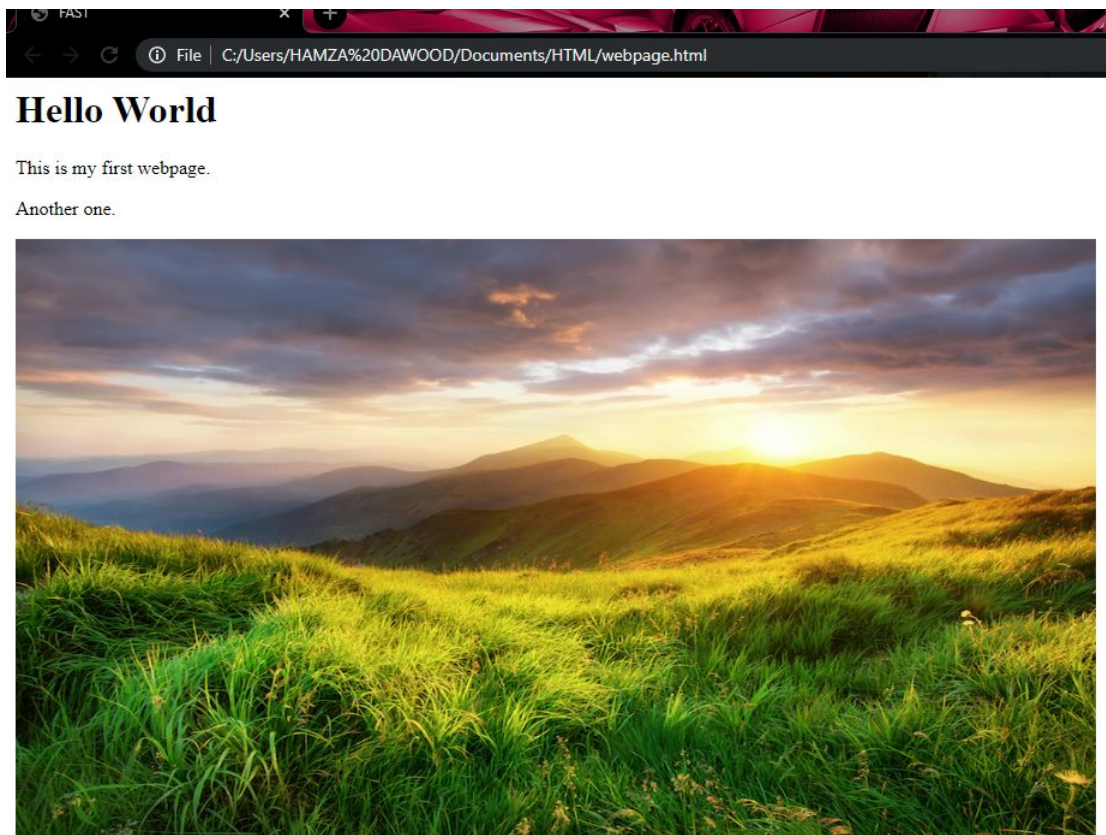
The result is shown as follows:



Now to insert an image on our webpage we will use `` tag, for this we need to save the image in the directory where you have saved the notepad file and use the following command.

```
webpage - Notepad
File Edit Format View Help
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <h1>Hello World</h1>
    <p>This is my first webpage.</p>
    <p>Another one.</p>
    </img>
  </body>
</html>
```



As shown above the image gets displayed on our webpage you can either set width and height or simply type in ``.

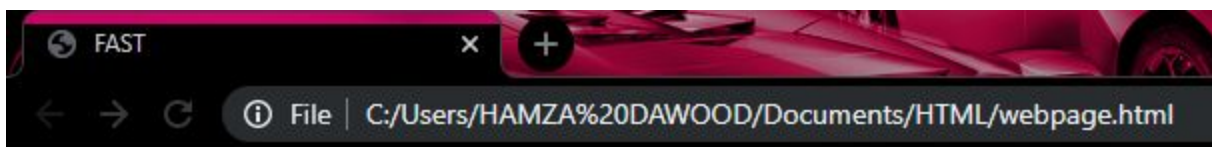
Note: This is not the background image. For background images we will use CSS.

One of the most important and useful tags is the `<a>` tag and is used to create hyperlinks. Like the image tag the `<a>` tag needs an attribute known as href and the url where you want people to go to.



```
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <a href="http://google.com">Click here!</a>
  </body>
</html>
```



[Click here!](#)

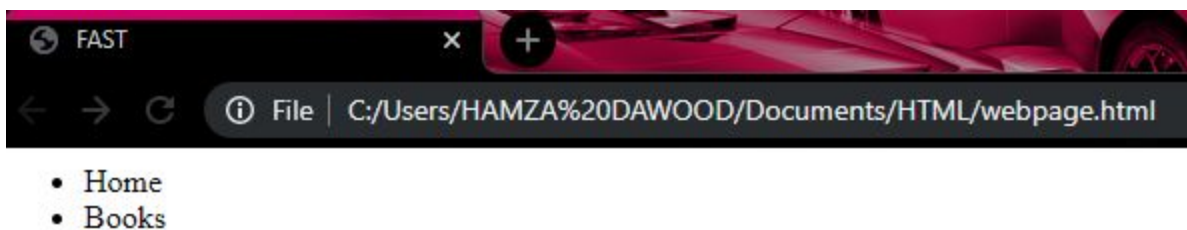
After you click on the link it will redirect you to google.com or the url that you have entered. Similarly if you want to create an image hyperlink type ``

Unordered list is another useful tag used for listing items, similar to this is ordered list . The basic difference between both is of numbering while listing. While using or is used for listing. Following is the code for and .



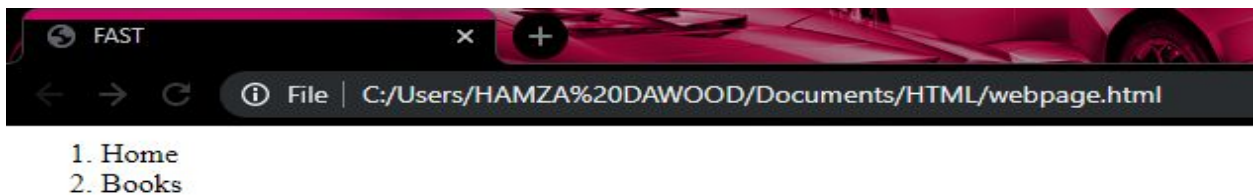
```
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <ul>
      <li>Home</li>
      <li>Books</li>
    </ul>
  </body>
</html>
```



```
webpage - Notepad
File Edit Format View Help
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <ol>
      <li>Home</li>
      <li>Books</li>
    </ol>
  </body>
</html>
```



Whenever we begin with the html the very first thing to be written while coding on html is doctype. Every html version has some new and old tags removed and added from the specification, the doctype tells the browser which version of html to expect. The tag for doctype is written as `<!DOCTYPE html>`.

Next is div tags `<div>` which is used to group elements on a page into sections. `<div>` tag always causes a line break before and after itself so nothing can appear before and after the div tag instead above and below, `<div>` tag can be used as follows.

```
webpage - Notepad
File Edit Format View Help
<html>
  <head>
    <title>FAST</title>
  </head>

  <body>
    <div>
      <h1>Home page</h1>
    </div>
    <div>
      <h2>Welcome to the website</h2>
      <p>Nice to have u</p>
    </div>
  </body>
</html>
```

