

HTML

- Hypertext Markup Language
 - Language to create documents for www
 - Uses **tags** or **markup** to define the structure or layout of the web document.

Introductory Concepts

- IP Address
- Domain Name
- URL (Uniform Resource Locator)
- Hyperlink
- HTTP (Hypertext Transfer Protocol)

XML / HTML/ XHTML

- HTML
 - Hypertext Markup Language
- XML
 - Extensible Markup Language
- XHTML
 - Extensible Hypertext Markup Language

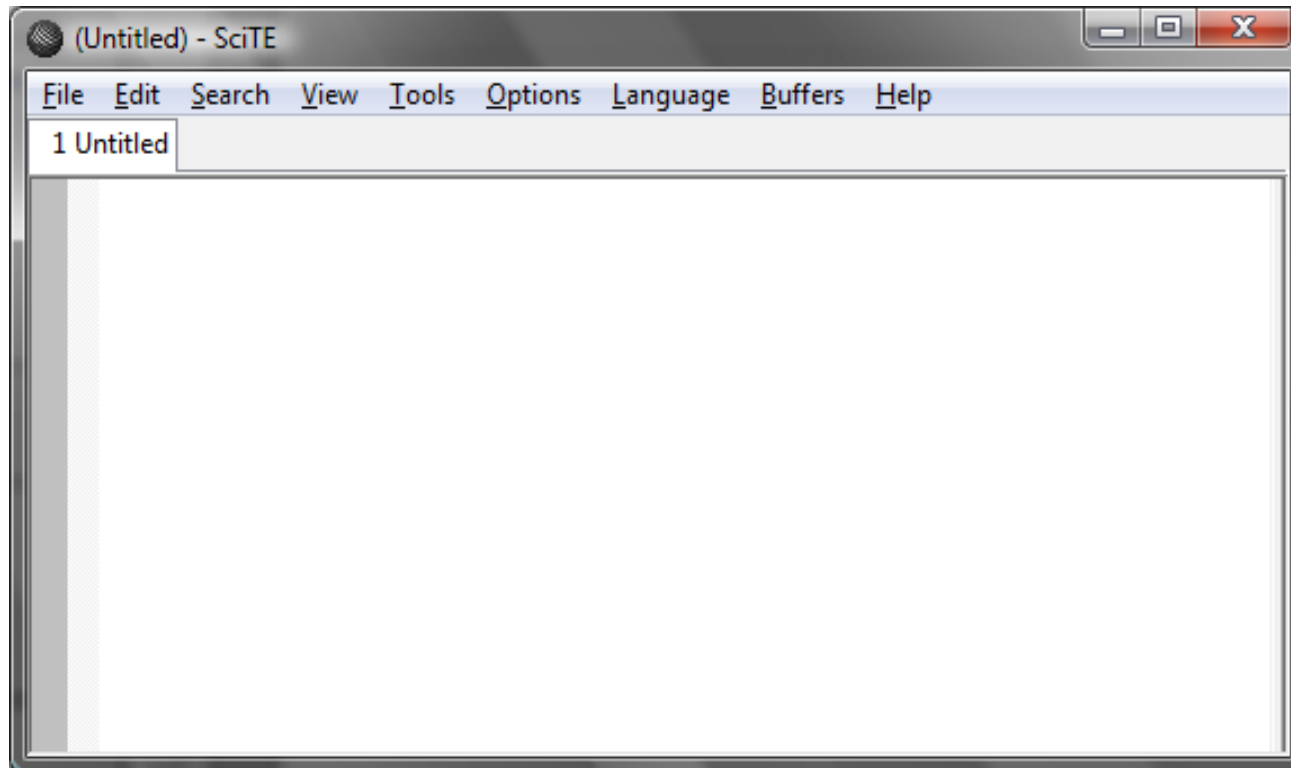
<http://www.w3schools.com/>

HTML editors

- WYSIWYG
 - Adobe Dreamweaver
 - Macromedia Frontpage
- Text based
 - Notepad
 - Notepad++ (free as in both "free speech" and "free beer")
 - <http://notepad-plus-plus.org/>
 - SciTE
 - <http://www.scintilla.org/SciTE.html>
 - Any text editors

SciTE

- Downloading the SciTE editor
 - <http://www.scintilla.org/SciTE.html>



Doctype Declaration

- Doctype declaration

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0  
Transitional//EN"  
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-  
transitional.dtd">
```

- Other Possible Doctypes

<http://www.w3.org/QA/2002/04/valid-dtd-list.html>

```
XHTML 1.0 Strict  
XHTML 1.0 Transitional  
XHTML 1.0 Frameset  
HTML 4.01  
HTML 4.01 Transitional  
HTML 4.01 Frameset
```

HTML Tags

- <http://www.w3schools.com/tags/default.asp>

```
<html>
<head>
<meta name="description" content="Free Web tutorials" />
<meta name="keywords" content="HTML,CSS,XML,JavaScript" />
<meta name="author" content="Your Name" />
<meta http-equiv="Content-Type"
content="text/html; charset=ISO-8859-1" />

<title> My Web Page </title>
</head>

<body>

</body>

</html>
```

HTML Tags

Headings

```
<h1> Heading1 </h1>  
<h2> Heading2 </h2>  
...  
...  
<h6> Heading6 </h6>
```

Body

```
<body bgcolor = color, link = color, alink = color, vlink = color, text  
= color>  
The content of the document ...  
</body>
```

color should be in this format #RRGGBB, where RR, GG and BB are the Hex numbers from 00 to FF

Paragraph

```
<p> Contents of the paragraph ... </p>
```


HTML Tags

Lists

Unordered List

```
<ul type = "disc">  
<li> Item 1 </li>  
<li> Item 2 </li>  
</ul>
```

“disc” type is the default. Other unordered list types can be :

```
<ul type = "square"> ... </ul>  
<ul type = "circle"> ... </ul>
```

Ordered List

```
<ol type = "1">  
<li> Item 1 </li>  
<li> Item 1 </li>  
</ol>
```

“1” is the default type. Other types of ordered list might be

```
<ol type = "A"> ... </ol>  
<ol type = "a"> ... </ol>  
<ol type = "I"> ... </ol>  
<ol type = "i"> ... </ol>
```

HTML Tags

Definition List

```
<dl>
<dt> ... </dt>
<dd> ... </dd>
</dl>
```

Nested List

```
<ol type = "1">
<li> Coffee </li>

<li> Tea
    <ul>
        <li> Black Tea </li>
        <li> Green Tea </li>
    </ul>
</li>

<li> Milk </li>
</ol>
```

HTML Tags

Images

```
<img src = "filename.gif" alt = "No image found" />
```

Links

Link to URL

```
<a href = "URL"> linktext (like click here to visit my website )  
</a>
```

Link to Email

```
<a href = "mailto:abc@xyz.com"> Email me </a>
```

Other tags

```
<br />
```

```
<hr />
```

```
<!-- Comment -->
```

A simple home page !

Step 1:

Open up the SciTE.

Step 2:

Enable word wrap in SciTE by checking "Option -> Wrap"

Step 3:

Copy and Paste the following DTD.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

Step 4:

Create an empty html document by copying and pasting the following tags.

```
<html>
```

```
<head>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

A simple home page !

Step 6:

Insert the body text inside the body tags.

Welcome to Plant World !

For the finest in indoor and outdoor plants, come to Plant World! Plant World is the premier nursery for all of your planting needs. Our professional landscape design artists can visit your home and make recommendations for plants to use in your home or your yard.

Our company

- Founded in 1989 by Margaret Anne Coles
- Headquartered in Surprise, Arizona
- 25 store locations throughout the Southwest

Our services

- Residential and commercial landscaping
- Plant and lawn maintenance
- Online information for all varieties of plants

To learn more about the Plant World products and services, please browse the Plant World Web site. You can find information on all types of plants, both for indoor and outdoor use. You also can learn about this month's featured desert plants , which have a natural beauty that can enhance any Southwest landscape!

Have a question or comment? Call us at (206) 555-PLANT or e-mail us.

Step 7:

Save it as "index.html" and view in the browser. Don't forget the .html extension !

A simple home page !

Step 8:

Lets separate the text into paragraphs and add some header tags.

```
<h1> Welcome to Plant World! </h1>
<h3>Our company</h3>
<h3>Our services</h3>
```

Step 9:

Lets create some lists.

```
<ul>
<li>Founded in 1989 by Margaret Anne Coles</li>
<li>Headquartered in Surprise, Arizona</li>
<li>25 store locations throughout the Southwest</li>
</ul>
```

Step 10:

Lets add an email link.

```
<a href = "mailto:plantworld@isp.com ?subject=question regarding the plants ">e-mail us</a>
```

A simple home page !

Step 11:

Lets add an image logo just below the body tag.

```
<img src = "plantworldlg.jpg" alt = "Plant world logo" />
```

Step 12:

You can get the image "plantworldlg.jpg" from this location

http://cs.gsu.edu/~adhungel1/csc1010/html_practice/plantworldlg.jpg

Save this image in the same folder where you saved your index.html file.

Step 13:

Save and view in the browser

```
index.html - SciTE
File Edit Search View Tools Options Language Buffers Help
1 index.html
- <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
- <html>
- <head>
  </head>
- <body>
  <img src = "plantworldlg.jpg" alt = "Plant world logo" />
- <p>
  <h1>Welcome to Plant World ! </h1>
  For the finest in indoor and outdoor plants, come to Plant World! Plant World is the premier nursery for all of your planting needs. Our professional
  landscape design artists can visit your home and make recommendations for plants to use in your home or your yard.
  </p>
  <h3> Our company </h3>
- <ul>
  <li> Founded in 1989 by Margaret Anne Coles </li>
  <li> Headquartered in Surprise, Arizona </li>
  <li> 25 store locations throughout the Southwest </li>
  </ul>
  <h3> Our services </h3>
- <ol type = "A">
  <li> Residential and commercial landscaping </li>
  <li> Plant and lawn maintenance </li>
  <li> Online information for all varieties of plants </li>
  </ol>
- <p>
  To learn more about the Plant World products and services, please browse the Plant World Web site. You can find information on all types of plants, both for
  indoor and outdoor use. You also can learn about this month's featured desert plants , which have a natural beauty that can enhance any
  Southwest landscape!
  </p>
- <p>
  Have a question or comment? Call us at (206) 555-PLANT or <a href = "mailto:plantworld@isp.com ?subject=question regarding the plant"> e-mail
```


Plant World

fairfield, ct 06824



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