Chapter 3

Introduction to HyperText Markup Language 4 (HTML 4)

<HTML>
<!-- Fig. 3.1: main.html -->
<!-- Our first Web page -->
<HEAD>
<TITLE>Internet and WWW How to Program - Welcome</TITLE>
</HEAD>
<BODY>
<P>Welcome to Our Web Site!</P>
</BODY>
</HTML>

Fig. 3.1 Basic HTML file.
<HTML>
<!-- Fig. 3.2: header.html -->
<!-- HTML headers -->
<HEAD>
<TITLE>Internet and WWW How to Program - Headers</TITLE>
</HEAD>
<BODY>
<!-- Centers everything in the CENTER element -->
<CENTER>
<H1>Level 1 header</H1>  <!-- Level 1 header -->
<H2>Level 2 header</H2>  <!-- Level 2 header -->
<H3>Level 3 header</H3>  <!-- Level 3 header -->
<H4>Level 4 header</H4>  <!-- Level 4 header -->
<H5>Level 5 header</H5>  <!-- Level 5 header -->
<H6>Level 6 header</H6>  <!-- Level 6 header -->
</CENTER>
</BODY>
</HTML>

Fig. 3.2 Header elements H1 through H6.
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1 <HTML>
2 <!-- Fig. 3.3: main.html -->
3 <!-- Stylizing your text -->
4
5 <HEAD>
6 <TITLE>Internet and WWW How to Program - Welcome</TITLE>
7 </HEAD>
8
9 <BODY>
10 <H1 ALIGN = "center">Welcome to Our Web Site!</H1>
11
12 <P> We have designed this site to teach about the wonders of HTML. We have been using HTML since version 2.0, and we enjoy the features that have been added recently. It seems only a short time ago that we read our first HTML book. Soon you will know about many of the great new features of HTML 4.0.</P>
13
14 <H2 ALIGN = "center">Have Fun With the Site!</H2>
15
16 </BODY>
17 </HTML>

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Fig. 3.3  Stylizing text on Web pages.
<HTML>
<!-- Fig. 3.4: links.html -->
<!-- Introduction to hyperlinks -->

<HEAD>
<TITLE>Internet and WWW How to Program - Links</TITLE>
</HEAD>

<BODY>

<CENTER>
<H2>Here are my favorite Internet Search Engines</H2>
<P><STRONG>Click on the Search Engine address to go to that page.</STRONG></P>

<!-- Hyperlink form: <A HREF = "address"> -->


</CENTER>

</BODY>
</HTML>

Fig. 3.4  Linking to other Web pages (part 1 of 2).
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Here are my favorite Internet Search Engines

Click on the Search Engine address to go to that page.

Yahoo: http://www.yahoo.com

AltaVista: http://www.altavista.com

Ask Jeeves: http://www.askjeeves.com

WebCrawler: http://www.webcrawler.com

Fig. 3.4 Linking to other Web pages (part 2 of 2).
<HTML>
<!-- Fig. 3.5: contact.html -->
<!-- Adding email hyperlinks -->
<HEAD>
<TITLE> Internet and WWW How to Program - Contact Page </TITLE>
</HEAD>
<BODY>
<!-- The correct form for hyperlinking to an email address -->
<!-- is &lt;A HREF = "mailto:address"&gt;&lt;/A&gt; -->
<P>
My email address is <A HREF = "mailto:deitel@deitel.com" >deitel@deitel.com</A>. Click on the address and your browser will open an email message and address it to me.
</P>
</BODY>
</HTML>

Fig. 3.5  Linking to an email address.
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<HTML>
<!-- Fig. 3.6: picture.html -->
<!-- Adding images with HTML -->

<HEAD>
<TITLE>Internet and WWW How to Program - Welcome</TITLE>
</HEAD>

<BODY BACKGROUND = "bckgrnd.gif">
<CENTER>
<!-- Format for entering images: <IMG SRC = "name"> -->
<IMG SRC = "deitel.gif" BORDER = "1" HEIGHT = "144"
WIDTH = "200" ALT = "Harvey and Paul Deitel">
</CENTER>
</BODY>
</HTML>
```

Fig. 3.6  Placing images in HTML files.
<HTML>

<!-- Fig. 3.7: navigationbar.html -->
<!-- Using images as link anchors -->

<HEAD>
<TITLE>Internet and WWW How to Program - Nav Bar</TITLE>
</HEAD>

<BODY BGCOLOR = "#CDCDCD">
<CENTER>

<A HREF = "main.html">
<IMG SRC = "buttons/about.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Main Page"></A><BR>

<A HREF = "links.html">
<IMG SRC = "buttons/links.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Links Page"></A><BR>

<A HREF = "list.html">
<IMG SRC = "buttons/list.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "List Example Page"></A><BR>

<A HREF = "contact.html">
<IMG SRC = "buttons/contact.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Contact Page"></A><BR>

<A HREF = "header.html">
<IMG SRC = "buttons/header.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Header Page"></A><BR>

<A HREF = "table.html">
<IMG SRC = "buttons/table.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Table Page"></A><BR>

<A HREF = "form.html">
<IMG SRC = "buttons/form.jpg" WIDTH = "65" HEIGHT = "50"
BORDER = "0" ALT = "Feedback Form"></A><BR>

</CENTER>
</BODY>
</HTML>

Fig. 3.7 Using images as link anchors (part 1 of 2).
Fig. 3.7 Using images as link anchors (part 2 of 2).
<HTML>
<!-- Fig. 3.8: main.html -->
<!-- Formatting text size and color -->
<HEAD>
<TITLE>Internet and WWW How to Program – Welcome</TITLE>
</HEAD>
<BODY>
<H1 ALIGN = "center">Welcome to Our Web Site!</H1>
<!-- Font tags change the formatting of text they enclose -->
<P><FONT COLOR = "red" SIZE = "+1" FACE = "Arial">We have designed this site to teach about the wonders of HTML.</FONT>
<!-- Font tags change the formatting of text they enclose -->
<FONT COLOR = "purple" SIZE = "+2" FACE = "Verdana">We have been using HTML since version 2.0, and we enjoy the features that have been added recently.</FONT>
<FONT COLOR = "blue" SIZE = "+1" FACE = "Helvetica">It seems only a short time ago that we read our first HTML book.</FONT>
<!-- Font tags change the formatting of text they enclose -->
<FONT COLOR = "green" SIZE = "+2" FACE = "Times">Soon you will know about many of the great new features of HTML 4.0.</FONT></P>
<H2 ALIGN = "center">Have Fun With the Site!</H2>
</BODY>
</HTML>

Fig. 3.8 Using the FONT element to format text (part 1 of 2).
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Welcome to Our Web Site!

We have designed this site to teach about the wonders of HTML. We have been using HTML since version 2.0, and we enjoy the features that have been added recently. It seems only a short time ago that we read our first HTML book. Soon you will know about many of the great new features of HTML 4.0.

Have Fun With the Site!

Fig. 3.8 Using the FONT element to format text (part 2 of 2).
<HTML>
<!-- Fig. 3.9: contact.html -->
<!-- Inserting special characters -->
<HEAD>
<TITLE> Internet and WWW How to Program - Contact Page </TITLE>
</HEAD>
<BODY>
<!-- Special characters are entered using the form &code; -->
<P> My email address is &lt;A HREF = "mailto:deitel@deitel.com" deitel@deitel.com&gt; . Click on the address and your browser will automatically open an email message and address it to my address.&lt;/A&gt;.</P>
<P> All information on this site is &lt;STRONG&gt;&copy;&lt;/STRONG&gt; Deitel &lt;STRONG&gt;&amp;&lt;/STRONG&gt; Associates, 1999.&lt;/P&gt;
<!-- Text can be struck out with a set of &lt;DEL&gt;...&lt;/DEL&gt; tags, it can be set in subscript with &lt;SUB&gt;...&lt;/SUB&gt;, -->
<!-- and it can be set into superscript with &lt;SUP&gt;...&lt;/SUP&gt; -->
&lt;DEL&gt;&lt;P&gt; You may copy up to 3.14 x 10&lt;SUP&gt;2&lt;/SUP&gt; characters worth of information from this site.&lt;/DEL&gt;&lt;BR&gt; Just make sure you &lt;SUB&gt;do not copy more information&lt;/SUB&gt; than is allowable.&lt;/P&gt;
&lt;P&gt; No permission is needed if you only need to use &lt;STRONG&gt; &lt;RAW Text Element&gt;&lt;/STRONG&gt; of the information presented here.&lt;/P&gt;
</BODY>
</HTML>

Fig. 3.9 Inserting special characters into HTML.
<HTML>
<!-- Fig. 3.10: header.html -->
<!-- Line breaks and horizontal rules -->
<HEAD>
<TITLE>Internet and WWW How to Program - Horizontal Rule</TITLE>
</HEAD>
<BODY>
<!-- Horizontal rules as inserted using the format: -->
<!-- <HR WIDTH = ".." SIZE = ".." ALIGN = ".."> -->
<HR WIDTH = "25%" SIZE = 1>
<HR WIDTH = "25%" SIZE = 2>
<HR WIDTH = "25%" SIZE = 3>
<P ALIGN = "left"><STRONG>Size: </STRONG>4
<STRONG>Width: </STRONG>75%</P>
<HR WIDTH = "75%" SIZE = "4" ALIGN = "left">
<P ALIGN = "right"><STRONG>Size: </STRONG>12
<STRONG>Width: </STRONG>25%</P>
<HR WIDTH = "25%" SIZE = "12" ALIGN = "right">
<P ALIGN = "center"><STRONG>Size: </STRONG>8
<STRONG>Width: </STRONG>50%</P>
<EM>No shade...</EM></STRONG>
<HR NOSHADE WIDTH = "50%" SIZE = "8" ALIGN = "center">
</BODY>
</HTML>

Fig. 3.10 Using horizontal rules (part 1 of 2).
Fig. 3.10  Using horizontal rules (part 2 of 2).