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1  <!DOCTYPE HTML>
2  <!-- Tells the browser to render the page using the HTML5 specification -->
3
4  <!--
5  1. HyperText Markup Language : Uses tags to tell the browser how to layout the web page
6  2. Uniform Resource Locator :
7     a. http:// is used if data is transferred using the HyperText Transfer Protocol (Common standard of communication between servers)
8     b. The domain is the unique name for the server / servers hosting the data
9     c. The URL ends with the path to the data to be served
10    d. http://newthinktank.com/html5.html
11  3. You can validate your HTML here http://validator.w3.org/check
12  -->
13
14  <!-- Defines the documents primary language as English -->
15  <html lang="en">
16
17    <!-- Contains data that describes the document -->
18    <head>
19
20      <!-- Defines the documents encoding character set (Multi-lingual Universal Transformation Format) -->
21      <meta charset="UTF-8">
22
23      <!-- Redirects the browser to another page after 3 seconds
24      <meta http-equiv="refresh" content="3; url='redirect.html'"/> -->
25
26      <!-- Description for your page. Shouldn't be longer than 200 characters -->
27      <meta name="description"
28      content="Learn everything you want to know about HTML5 in this video tutorial. Tags, content sections, embedding media, etc." />
29
30      <!-- Keywords are used to define your content for search engines. Shouldn't be longer than 1,000 characters -->
31      <meta name="keywords"
32      content="html5 canvas,html5 tutorial,html5 tutorial, html5 doctype, html5 tags,html5 video,learn html5"/>
33
34      <!-- Defines how search engines should index your content.
35      index / noindex : indicates if search engines should index the page
36      follow / nofollow : indicates if hyperlinks should be followed and indexed
37      archive / noarchive : indicates whether the page should be archived
38      -->
39      <meta name="robots" content="index,follow"/>
40
41      <!-- Defines the location of an outside JavaScript file -->
42      <script src="randomcolorchange.js"> </script>
43
44      <!-- Must come before any other link tags -->
45      <!-- Defines a default location for all links on a page for browsers -->
46      <base href="http://localhost/html5/" />
47
48      <!-- Defines the location of a style sheet -->
49      <!-- Style sheets have replaced HTML styling features from the past -->
50      <link rel="stylesheet" href="styles.css" />
51
52      <!-- References a icon (16 x 16) to associate with your page. Save it in the root directory for IE -->
53      <link rel="icon" href="favicon.ico" />
54
55      <!-- You must have a title for your page that should be about 16 characters long -->
56      <title>HTML5 Tutorial</title>
57
58    </head>
59
60    <!-- Contains data to show in the browser -->
61    <!-- onload can call a script or open a dialog box -->
62    <!-- onunload is not supported in browsers other than IE -->
63    <body onload="alert('Hello')" onunload="alert('Bye Bye')">
64
65      <div id="wrapper">
66
67        <!-- Can jump with in the page by referencing the name -->
68        <a name="pageTop">Top of page</a>
69
70        <!-- Links to the bottom by referencing the id -->
71        <a href="html5.html#pageBottom">Bottom of page</a>
72
73        <!-- Message that is displayed if the browser has JavaScript disabled -->
74        <noscript>Please Enable JavaScript</noscript>
75
76        <!-- Increases the size of the text it contains h1 - h6
77        They are used to define the importance of elements in sequence -->
78        <h1>Change with a Click</h1>
79
80        <!-- The <p> will add 2 line breaks after the </p> and <br> adds one -->
81        <p>
82        Two hunters are out in the woods when one of them collapses. He doesn't seem to be breathing and his eyes are glazed.
83        </p>
84
85        <!-- Draws a line -->
86        <hr>
87

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88  <!-- <blockquote> indents the surrounding text and cite defines where the quote came from -->
89  <blockquote cite="http://epicquotes.org/view.php?id=151">
90  Never, under any circumstances, take a sleeping pill and a laxative on the same night.
91  </blockquote>
92
93  <!-- <q> surrounds text with quotes -->
94  <q cite="http://www.brainyquote.com/quotes/quotes/h/hennyyoung128883.html">If at first you don't succeed ... so much
95
96  <!-- <pre> preserves white space, but tabs can get messed up -->
97  <pre>
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176 <!-- You can open the mail software to send a message -->
177 <a href="mailto:derekbanas@verizon.net">Send an Email</a>
178
179 <!-- You can also dynamically call for a JavaScript function to execute -->
180 <a href="javascript:toggleImg()">Toggle Image</a><br>
181
182 <!-- You can define hot spot links in images with image maps.
183 Import your image into Gimp and Filters → Web → ImageMap -->
184 
185
186 <map name="map">
187 <area shape="circle" coords="57,62,39" alt="Yahoo" title="Go to Yahoo" href="http://yahoo.com" />
188 <area shape="poly" coords="192,20,166,45,232,105,301,42,272,20,192,19,195,20" alt="Diamonds" title="Go to Diamonds"
189 <area shape="rect" coords="332,8,595,115" alt="Google" title="Go to Google" href="http://google.com" />
190 </map>
191
192 <!-- You can embed numerous external file formats using the object tag -->
193
194 <!-- Embed a PDF -->
195 <object data="SmallBusinessPresentation.pdf" type="application/pdf"
196 width="750" height="400">
197 </object>
198
199 <!-- Embed a HTML file -->
200 <object data="html52.html" type="text/html"
201 width="750" height="400">
202 </object>
203
204 <!-- Embed a WAV file -->
205 <object data="http://www.wavsource.com/snds_2014-11-23_3967152387108926/animals/bird.wav" type="audio/x-wav">
206
207 <!-- Used to pass parameters to an embedded object
208 attributes consist of a name and value -->
209 <param name="autoplay" value="true">
210 <param name="controller" value="true">
211
212 </object>
213
214 <!-- Other Formats
215 application/msword : MS Doc Files
216 application/x-java-applet : Java Applet
217 audio/mpeg : MP3s
218 image/png : PNGs
219 image/jpeg : JPEGs
220 image/gif : GIFs
221 image/svg+xml : SVG Vector images
222 text/plain : Text
223 video/mp4 : MP4s
224 video/x-msvideo : AVIs
225 video/x-msv-wmv : WMVs
226 video/quicktime : MOVs
227 -->
228
229 <!-- You can embed external resources in an iframe -->
230 <iframe width="560" height="315" src="http://www.youtube.com/embed/Rub-JsjMhWY" allowfullscreen=""></iframe>
231
232 <!-- Interactive files like Flash files can be embedded with embed
233 You can define the file type, plugin and set other params -->
234 <embed src="http://www.itma.vt.edu/tech/flash.swf" pluginspage="http://www.macromedia.com/shockwave/download/" type=
235
236 <!-- You can embed MP3 and Wav (Not IE) files using audio
237 mp3 uses audio/mpeg -->
238
239 <audio controls autoplay loop preload>
240 <source src="comingtotake.wav" type="audio/wav">
241 Browser doesn't support the audio tag
242 </audio>
243
244 <!-- You can embed MP4s with video -->
245 <video controls autoplay loop preload>
246 <source src="http://techslides.com/demos/sample-videos/small.mp4" type="video/mp4">
247 </video>
248
249 <br><br><br><br><br><br>
250 </div>
251 </body>
252
253 </html>

```