**HTML Exercise**

**Activity 1**

Using a simple text editor to create **a personal web site** using HTML. Parts of this activity come from [www.w3schools.com .](http://www.w3schools.com/) You can refer to the lecture notes or this website if you need help writing the HTML for your personal web site.

使用一个简单的文本编辑器创建一个个人网站使用HTML。这个活动的部分内容来自www.w3schools.com。如果你需要为你的个人网站编写HTML，你可以参考课堂讲稿或这个网站。

**Step One**

Open a new document and type in the following code:

打开一个新文档，输入以下代码:

<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

</head>

<body>

<h1>This is a Heading</h1>

<p>This is a paragraph.</p>

</body>

</html>

**Step Two**

Save the file.

Name the file **"index.html"** and set the encoding to **UTF-8** (which is the preferred encoding for HTML files).

保存文件。

将文件命名为“index.html”，并将编码设置为UTF-8(这是HTML文件的首选编码)。

**Step Three**

View the file in a browser by right clicking on the selected browser icon.

通过右键单击所选的浏览器图标，在浏览器中查看文件。

**Step Four**

Inspect the code in your browser. Right-click on your HTML page in the browser and select "View Page Source" (in Chrome) or "View Source" (in Edge), or similar in other browsers. This will open a window containing the HTML source code of the page.

You can inspect an element by right clicking it and choosing “Inspect” or “Inspect Element” to see the HTML and CSS code. Try editing the HTML or CSS in the Elements or Styles pattern that opens. You can see how your editing changes the web page.

检查浏览器中的代码。在浏览器中右键单击HTML页面，选择“查看页面源”(在Chrome中)或“查看源”(在Edge中)，或在其他浏览器中类似的选项。这将打开一个包含页面HTML源代码的窗口。

您可以通过右键单击元素并选择“inspect”或“inspect element”来查看HTML和CSS代码。尝试在打开的Elements或Styles模式中编辑HTML或CSS。你可以看到你的编辑如何改变网页。

**Step Five**

Add more HTML elements to your webpage:

1. Experiment with different heading tags <h1> (the most important) to <h6> the least important.
2. Add some appropriate links to your webpage using the <a> tag. Use absolute URLs e.g.

<a href="https://www.w3schools.com">This is a link</a>

And also use relative links to another page on your website e.g.

<a href="holiday\_photos.html">holiday pics</a>

You will need to create this page before you link to it and save it in the same folder as your first web page.

使用标签为你的网页添加一些适当的链接。使用绝对url。

这个链接

也可以使用网站上其他页面的相关链接。

< a href = " holiday\_photos.html " >度假照片< / >

您需要在链接到它之前创建此页面，并将其保存在与您的第一个网页相同的文件夹中。

1. Add some images using the <img> tag and use the alt, width and height attributes as well as the src:

使用标签添加一些图片，并使用alt, width和height属性以及src:

<img src="w3schools.jpg" alt="W3Schools.com" width="104" height="142">

1. Add an numbered or bullet point list. The following example is what sort?

添加一个编号或要点列表。下面的例子是什么类型的?

<ol>

<li>Coffee</li>

<li>Tea</li>

<li>Milk</li>

</ol>

1. Add a table to your personal website:

为你的个人网站添加一个表格:

1. Add the character set used:

<meta charset="UTF-8">

Where should you add this?

1. Add the language used in the webpage. How do you do this?

添加使用的字符集:

1. Add a table using the <table> tag. Table rows are defined with a <tr> tag; table headers with a <th> tag (default they are bold and centred) and each data cell with a <td> tag (and the elements they contain are regular and left-aligned). The closing </table> tag and a closing </tr> tag are on the next page!

使用标签添加一个表。表行用标记定义;带有标记的表头(默认为粗体居中)和带有标记的每个数据单元格(它们包含的元素是规则的和左对齐的)。结束标记和结束标记在下一页!

<table style="width:100%">

<tr>

<th>Firstname</th>

<th>Lastname</th>

<th>Age</th>

</tr>

<tr>

<td>Jill</td>

<td>Smith</td>

<td>50</td>

</tr>

</table>

**Activity 2**

**Step One**

Style your website by initially defining your CSS in the head of the page using a <style> tag:

通过使用< Style >标签在页面头部定义CSS来创建你的网站样式:

<!DOCTYPE html>

<html>

<head>

<style>

body {background-color: powderblue;}

h1 {color: blue;}

p {color: red;}

</style>

</head>

<body>

<h1>This is a heading</h1>

<p>This is a paragraph.</p>

</body>

</html>

**Step Two**

Add a class to your website and also an id tag and then create styles for them. Refer to the lecture notes or [https://www.w3schools.com/html/html\_css.asp.](https://www.w3schools.com/html/html_css.asp)

给你的网站添加一个类和一个id标签，然后为它们创建样式。参考课堂讲稿或https://www.w3schools.com/html/html\_css.asp。

**Step Three**

Create an external CSS file and link to it:

创建一个外部CSS文件并链接到它:

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1>This is a heading</h1>

<p>This is a paragraph.</p>

</body>

</html>