

CMPT281 HTML Worksheet 2

This worksheet is a step-by-step guide to building a simple webpage, and introduces various HTML tags. By the end of this worksheet, you should be more familiar with the basic structure and elements of an HTML document.

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Step 1: Setting up the basic HTML document structure

Start by creating the basic structure of an HTML document:

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
</body>
</html>
```

Step 2: Adding Headers

Headers are used to define headings in our document. Within the <body> element:

- Add a main heading using the <h1> tag.
- Add a sub-heading using the <h2> tag.
- Add a sub-sub-heading using the <h3> tag.

Code Snippet for reference:

```
<h1>This is a Main Heading</h1>
<h2>This is a Sub-heading</h2>
<h3>This is a Sub-sub-heading</h3>
```

Step 3: Introduction to Paragraphs

Add some text content using the <p> tag.

```
<p>This is a simple paragraph explaining the purpose of this worksheet.</p>
```

Step 4: Using <div> Tags

<div> tags are used as containers for other elements. Wrap the headers and paragraph you've added in a <div> tag.

```
<div>
  <h1>This is a Main Heading</h1>
  <h2>This is a Sub-heading</h2>
  <h3>This is a Sub-sub-heading</h3>
  <p>This is a simple paragraph explaining the purpose of this worksheet.</p>
</div>
```

Step 5: Hyperlinks with <a> Tags

Add a link to a website using the <a> tag.

Add a link that takes the user to the top of the document.

Add a link that allows a user to call a phone number. (This won't do much in some browsers).

```
<a href="https://www.google.com">Visit Google.com</a>
<a href="#top">Go to Top (this won't do much in this example) </a>
<a href="tel:+1234567890">Call Us</a>
```

Step 6: Giving Emphasis to Content

Use the tag to emphasize text.

Use the tag to make text bold.

```
<p><em>This is emphasized text</em> and <strong>this is strong text</strong>.</p>
```

Step 7: Ordered Lists with

Create an ordered list of items using the tag.

```
<ol>
  <li>Item One</li>
  <li>Item Two</li>
  <li>Item Three</li>
</ol>
```

Step 8: Review

Open your HTML file in a browser and review your work. Make sure all elements are correctly displayed and functioning as expected.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>

  <body>

    <div>
      <h1>This is a Main Heading</h1>
      <h2>This is a Sub-heading</h2>
      <h3>This is a Sub-sub-heading</h3>
      <p>This is a simple paragraph explaining the purpose of this worksheet.</p>
    </div>

    <a href="https://www.google.com">Visit Google.com</a>
    <a href="#top">Go to Top (this won't do much in this example) </a>
    <a href="tel:+1234567890">Call Us</a>

    <p><em>This is emphasized text</em> and <strong>this is strong text</strong>.</p>

    <ol>
      <li>Item One</li>
      <li>Item Two</li>
      <li>Item Three</li>
    </ol>

  </body>
</html>
```

Step 9: Using <header> and <footer>

Wrap your main heading in a <header> tag.

Add a <footer> at the bottom of your document with some copyright information.

```
<header>
  <h1>This is a Main Heading</h1>
</header>

<footer>
  <p>&copy; 2023 My Website</p>
</footer>
```

Step 10: Using Tags

Add an image to your document. The tag allows you to embed images.

https://www.usask.ca/_images/logos/usask-logo.png

```

<!-- Feel free to sub this out for something else -->
```

Step 11: Making a simple form

Implement a simple contact form using the <form>, <label>, <input>, and <textarea> tags.

```
<section id="contact">
  <h2>Contact Us</h2>
  <form action="#">
    <label for="name">Name:</label><br>
    <input type="text" id="name" name="name"><br><br>
    <label for="message">Message:</label><br>
    <textarea id="message" name="message" rows="4" cols="50"></textarea><br><br>
    <input type="submit" value="Submit">
  </form>
</section>
```

Final Product

```
<body>
  <div>
    <header>
      <h1>This is a Main Heading</h1>
    </header>

    <h2>This is a Sub-heading</h2>
    <h3>This is a Sub-sub-heading</h3>
    <p>This is a simple paragraph explaining the purpose of this worksheet.</p>
  </div>

  <a href="https://www.google.com">Visit Google.com</a>
  <a href="#top">Go to Top (this won't do much in this example) </a>
  <a href="tel:+1234567890">Call Us</a>

  <p><em>This is emphasized text</em> and <strong>this is strong text</strong>.</p>

  <ol>
    <li>Item One</li>
    <li>Item Two</li>
    <li>Item Three</li>
  </ol>

  
  <!-- Feel free to sub this out for something else -->

  <section id="contact">
    <h2>Contact Us</h2>
    <form action="#">
      <label for="name">Name:</label><br>
      <input type="text" id="name" name="name"><br><br>
      <label for="message">Message:</label><br>
      <textarea id="message" name="message" rows="4" cols="50"></textarea><br><br>
      <input type="submit" value="Submit">
    </form>
  </section>

  <footer>
    <p>&copy; 2023 My Website</p>
  </footer>
</body>
```