

HTML5 Assignments

Here are some HTML assignments with questions and answers to test your understanding of the topics you mentioned:

1. HTML Page Creation with Elements and Attributes

Assignment: Create a simple webpage about yourself. Include elements like heading (`<h1>`), paragraph (`<p>`), image (``), and a horizontal line (`<hr>`). Use attributes like `src` for the image source, `alt` for alternative text, and `id` for a unique identifier for a section.

Questions:

1. What HTML element defines the document type?
2. What attribute specifies the source of an image?
3. How can you add a title to your webpage that displays on the browser tab?

2. HTML Tables

Assignment: Create a table to display information about your favorite movies. Include columns for Title, Director, and Release Year. Use table headers (`<th>`) and table data (`<td>`) elements.

Questions:

1. What element defines a table row?
2. How can you specify a caption for your table?
3. What attribute allows you to span cells across multiple columns?

3. HTML Forms

Assignment: Create a form to collect user feedback on your website. Include input fields for name (`<input type="text">`), email (`<input type="email">`), and a text area (`<textarea>`) for comments. Add a submit button (`<input type="submit">`) to submit the form.

Questions:

1. What attribute specifies the type of input field (text, email, etc.)?
2. How can you add a label to an input field?
3. What attribute specifies the action to be performed when the form is submitted?

4. HTML Code Optimization Techniques

Assignment: Analyze the provided HTML code and identify areas for optimization. Techniques might include removing unnecessary tags, minifying code, and using semantic elements.

Questions:

1. What are the benefits of minifying HTML code?
2. What is the difference between a semantic element and a non-semantic element?

3. How can you comment sections of your HTML code for better readability?

