

HTML Assignment

Topic: HTML Entities, Tags, Formatting, and Attributes

Instructions:

Explore Documentation

Explore more things from the official HTML documentation, but make sure to write the code on your own. Do not copy and paste the code from Google or from any AI tools. Writing your own code will enhance your learning.

Quality Matters

A well-written and creative assignment will increase your ranking in this course. Perform well to improve your chances of being selected for further opportunities after the course. Remember, every assignment will be checked strictly.

Submission Guidelines:

- Write your answers in a single HTML document.
- Include comments in your code where necessary to explain the purpose of your tags and attributes.
- Compress your HTML file(s) into a ZIP folder for submission.
- Add a screenshot of your website within the same ZIP folder.
- Collaborate and Share
- Build a good connection with your university friends. Share your completed websites with friends to learn and inspire each other.

Naming Convention:

- Submit your ZIP folder with the name (eg, HTML_Assignment_YourName.zip).

Section 1: HTML Entities

Question 1

Write HTML code to display the following symbols using entities:

© 2024 | ® Trademark | < > | &.

Question 2

Use the ** ** entity to display the following text with multiple spaces between words:

"HTML Assignment Question 2".

Question 3

Write a paragraph using entities to display:

"The equation $5 < 10$ is true & $7 > 3$ is also true".

Question 4

Display the following message using HTML entities:

"All rights reserved © IUB University ® 2024".

Question 5

Write HTML code to create the following line using superscript and subscript:

E = mc² and H₂O.

Section 2: Text Formatting Tags

Question 6

Write HTML code to demonstrate the difference between **** and **** tags.

Question 7

Use both **<i>** and **** tags to display the following sentence:

"HTML formatting is important for emphasis and styling."

Question 8

Create a paragraph using both `` and `<i>` tags to highlight words:
HTML is a ``powerful`` and `<i>`important`</i>` language for web development.

Question 9

Display a heading with the following sentence using both formatting and entities:

"Breaking Spaces in HTML"

Question 10

Write HTML code to display the following line with correct formatting:
 $2^4 = 16$ and $C_6H_{12}O_6$.

Section 3: Alignment

Question 11

Write HTML code to create three headings aligned differently using the align attribute:

One aligned center.

One aligned left.

One aligned right.

Question 12

Add a comment in your HTML code that explains why the align attribute is considered deprecated in HTML5.

Question 13

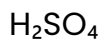
Use the `<hr>` tag to create a horizontal line and display the following message below it in bold:

"This is an HTML Horizontal Rule Demo".

Section 4: Superscript and Subscript

Question 14

Write HTML code to display the following chemical formulas using subscript tags:

**Question 15**

Use superscript to display a mathematical equation:

$$x^2 + y^3 = z^5.$$

Question 16

Combine superscript and subscript to display this line correctly:

"The chemical equation is $\text{H}_2\text{SO}_4 + \text{CO}_2 \rightarrow \text{H}_2\text{CO}_3$ ".