

HTML

Assignment Questions



Theoretical Questions

Q1. What is HTML? Explain its purpose in web development.

Q2. What are semantic HTML elements? Provide examples of three semantic tags and explain their significance.

Q3. What is the difference between block-level and inline elements in HTML? Provide examples.

Q4. What is the purpose of the <meta> tag in HTML? How is it commonly used?

Q5. What is the Document Object Model (DOM), and how does it relate to HTML?

Q6 . Explain the difference between <div> and elements in HTML. When would you use each?

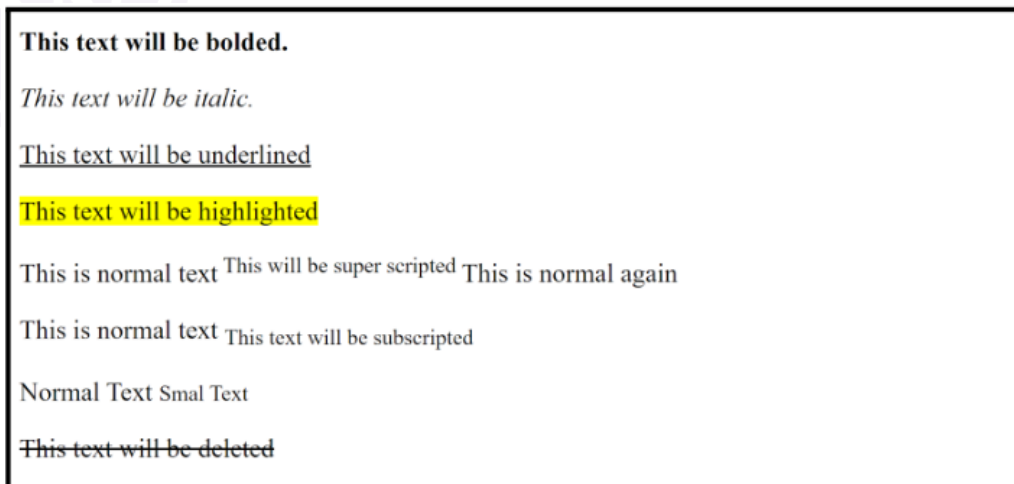
Q7. What is the purpose of the alt attribute in the tag? Why is it important for accessibility and SEO?

Q8. What are HTML attributes, and how do they modify elements? Q9. Give an example of an HTML tag with attributes.

Q10. What is the difference between an absolute URL and a relative URL in HTML? Provide an example of each.

Practical Questions

Q11. Build a simple webpage that displays text as shown in the below image.



Q12. Build a simple webpage that helps users navigate different web development-related websites. Note: On clicking the hyperlink the web pages should open in a new tab. Below is a reference image.

Navigate Me:

Take me to [PW Skills](#) to buy a course.

Take me to [MDN docs](#) to know more about Web Development.

Take me to [PW Skills Lab](#) to practice live coding.

Q13. Build a simple blog web page with 3 pages home, web development, and web design. Each page must contain hyperlinks to other pages in the top, a heading of the page topic and a paragraph of information. For the home page you can add some information about yourself.

Q14. Create an ordered list of HTML tags. Each list item must include the tag name and some information about the tag.

Q15. create a description list of full stack web development tech stack, using the <dl> tag. Each term should be a tech stack name and each description should be a brief explanation of what the tech stack is used for.

Q16. Create an ordered list of the full stack web development tech stack HTML, CSS, and JS. For each tech stack, create a table that lists the tech stack name, its primary use cases, and some key features or benefits. Below is a reference image.

Eg.

1. HTML	
Primary Use Cases	Key Features/Benefits
Building the structure of web pages	<ul style="list-style-type: none"> Simple and easy to learn Compatible with all web browsers Allows for semantic markup
2. CSS	
Primary Use Cases	Key Features/Benefits
Styling and layout of web pages	<ul style="list-style-type: none"> Allows for separation of content and presentation Enables responsive design Offers a wide range of styling options

Q17. Build a complex nested list structure representing a multi-level table of contents. Use unordered lists () and list items () with inline-block styling to create a structured layout. Apply formatting tags to enhance the presentation of list items.

Output should look like this:

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Q18. Create a table to display a conference schedule. Each row corresponds to a time slot, and each column corresponds to a room. Some time slots might have multiple sessions running simultaneously in different rooms. Utilize rowspan and colspan attributes as necessary to accommodate this complex schedule. (use table attribute "cellpadding" to give extra padding in each table cell).

Output should look like this:

Conference Schedule				
Time	Room 1	Room 2	Room 3	Room 4
9:00 AM - 10:00 AM	Keynote	Session A	Session B	Session C
		Session D	Session E	
	10:30 AM - 11:30 AM	Session F		
12:00 PM - 1:00 PM	Lunch Break			
1:00 PM - 2:00 PM	Session G	Session H	Session I	Session J
	Session K		Session L	Session M

19. Create an HTML document that properly incorporates semantic elements like `<header>`, `<article>`, `<section>`, or `<nav>` to improve SEO and document structure.

Q20. Create an HTML document with appropriate `<title>` and `<meta>` tags for SEO optimization. Ensure the title is descriptive and the meta description is concise.

