

Web Development: 6 Tasks and 10 Theoretical Questions

Web Development Tasks for FY Students

Task 1: Basic HTML Page

- Objective: Understand HTML structure and basic tags.
- Instructions:
 1. Create a basic webpage with the title 'My First Web Page'.
 2. Include headings (h1-h3), a paragraph, and an image.

Bonus: Add a horizontal line and a line break.

Task 2: Personal Bio Page with HTML

- Objective: Practice using lists, links, and images.
- Instructions:
 3. Create a bio page with your name, photo, and a list of hobbies.
 4. Add a link to your favorite website.

Bonus: Use both ordered and unordered lists.

Task 3: Styling with CSS

- Objective: Understand inline, internal, and external CSS.
- Instructions:
 5. Create a styled webpage using internal CSS.
 6. Style headings, paragraph text, and background color.

Bonus: Add hover effects to links or buttons.

Task 4: Simple Web Form

- Objective: Create an HTML form with input fields.
- Instructions:
 7. Create a contact form with name, email, message, and submit button.
 8. Use placeholder and required attributes.

Bonus: Style the form using CSS.

Task 5: Responsive Layout Using Flexbox

- Objective: Understand layout design using CSS Flexbox.
- Instructions:
 9. Create a webpage with a header, 3-column body, and footer.
 10. Use Flexbox to organize the layout.

Bonus: Make it responsive for mobile screens.

Task 6: Introduction to JavaScript

- Objective: Learn basic JavaScript syntax and DOM interaction.
- Instructions:
 11. Create a button that changes text when clicked.
 12. Display an alert message when the page loads.

Bonus: Change background color with a button click.

10 Theoretical Questions on Web Development Basics

1. What is HTML and what is it used for?
2. Differentiate between HTML and CSS.
3. What is the purpose of the <head> and <body> tags in HTML?
4. What are block-level and inline-level elements?
5. Explain the difference between internal and external CSS.
6. What is the box model in CSS?
7. What is the use of the <form> tag?
8. What is responsive design and why is it important?
9. What does JavaScript do in a webpage?
10. How do you connect a CSS or JS file to an HTML file?