

CSS PRACTICE EXERCISE

1. Basic CSS Implementation Methods

Create a heading with "Hello World" that:

- Uses inline CSS to make the text red
- Uses internal CSS to make it bold
- Uses external CSS to set the font size to 24px

Show all three methods.

2. ID and Class Selectors

Create a paragraph that has both an ID and a class. Use CSS to:

- Make the ID style have a blue background
- Make the class style have white text
- Add padding of 20px using the ID

3. Font Properties

Style a paragraph with the following requirements:

- Font family: Arial, with fallbacks Helvetica, sans-serif
- Font size: 16px
- Font style: italic
- Line height: 1.5
- Letter spacing: 2px
- Word spacing: 4px

4. Text Properties

Create a heading that has:

- Text alignment: center
- Text decoration: underline
- Text indent: 30px
- Text shadow: 2px horizontal, 2px vertical, 5px blur, color gray

5. Border Properties

Create a div element with:

- Border: 2px solid black
- Border radius: 10px
- Width: 200px
- Height: 100px
- Dual-colored border (top and bottom different colors)

hint: border-bottom-color: red

6. Box Shadow

Create a card-like div with:

- Box shadow on all sides
- When hovered, increase the shadow size
- Background color: white
- Padding: 20px

7. Margin and Padding

Create a div that has:

- Different margins on all sides (top: 20px, right: 15px, bottom: 25px, left: 10px)
- Padding of 15px on all sides
- A border to visualize the spacing (1px solid black)

8. Float and Overflow

Create two div elements:

- First div floated left
- Second div floated right
- Container div with overflow handling (hidden)
- Each div should have different background colors

9. Display Properties

Create three elements that demonstrate:

- Block display
- Inline display
- Inline-block display

Each should have different background colors and some text content.

10. Position Properties

Create a container with four div elements showing:

- Relative positioning
- Absolute positioning
- Fixed positioning
- Sticky positioning

11. Pseudo-classes for Links

Style a navigation menu with links that have:

- Different colors for :link, :visited, :hover, and :active states
- Transition effect on hover
- Remove text decoration

12. List Styling with Pseudo-classes

Create an unordered list where:

- Every odd item has a different background color
- Every even item has a different background color
- First item has a different font size
- Last item has a different border

13. Visibility and Opacity

Create three divs that demonstrate:

- Hidden visibility (space preserved)
- Display none (space collapsed)
- 50% opacity

14. Button Styling

Create a button with:

- Gradient background (hint: `linear-gradient(to right, #4CAF50, #45a049);`)
- Hover effect with color change
- Active state with `transform(transform: scale(1.05);)`
- Border radius
- Padding
- Transition effects

15. Comprehensive Layout

Create a card layout that combines multiple properties:

- Box shadow
- Border radius
- Hover effects
- Image handling
- Text formatting
- Responsive width