Essential CSS Cheat Sheet

1. Box Model

box-sizing: border-box; /* Always use this for predictable layouts */

2. Flexbox

display: flex;
justify-content: center;   /* horizontal alignment */
align-items: center;   /* vertical alignment */
gap: 10px;   /* spacing between items */
flex: 1;   /* equal space for items */

3. Grid

display: grid;
grid-template-columns: repeat(3, 1fr); /* 3 equal columns */
gap: 20px;

4. Positioning

relative: positioned normally, allows children absolute positioning
absolute: positioned relative to nearest parent with position: relative
fixed: positioned relative to viewport (stays on scroll)

5. Spacing & Typography

margin: 10px;   /* space outside */
padding: 10px;   /* space inside */
font-size: 16px;
font-weight: bold;
text-align: center;

6. Borders, Shadows & Colors

border: 1px solid #ccc;
border-radius: 8px;
box-shadow: 0 4px 6px rgba(0,0,0,0.1);
color: #333; background-color: #f9f9f9;

7. Responsive Design

@media (max-width: 768px) {
  .container { flex-direction: column; }
}

8. Common Interview Questions

Q1. How to center a div? → flex + justify-content + align-items
Q2. Flex vs Grid? → Flex = 1D, Grid = 2D
Q3. Relative vs Absolute vs Fixed positioning?