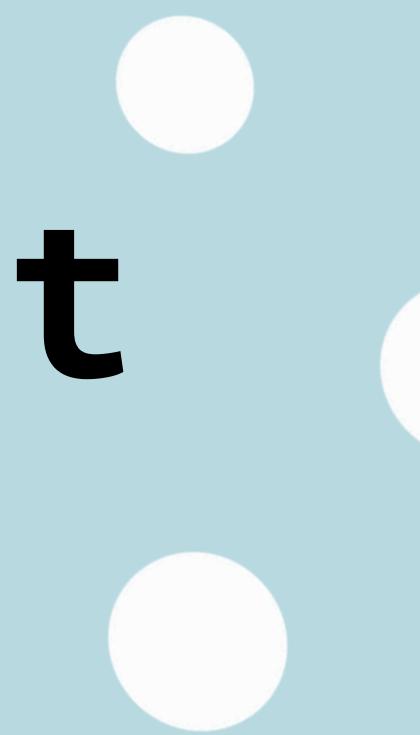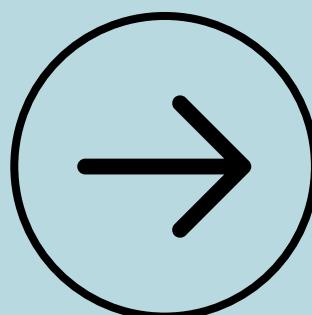# 10 CSS Interview Questions Every Frontend Developer Must Master
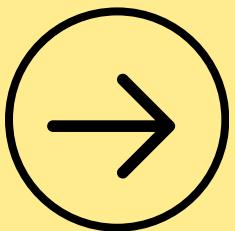
**Neaz Morshed**

🎯 1. What is the difference between relative, absolute, fixed, and sticky positioning in CSS?
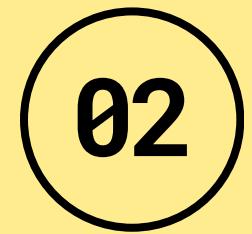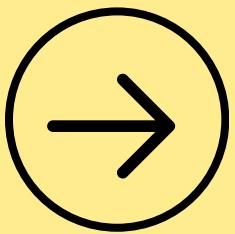
✅ Answer:
- relative: Positioned relative to its normal position.
- absolute: Positioned relative to the nearest positioned ancestor.
- fixed: Positioned relative to the viewport (stays during scroll).
- sticky: Toggles between relative and fixed based on scroll position.

🎯 2. What are pseudo-classes and pseudo-elements?

✅ Answer:
- Pseudo-classes define a special state of an element (e.g., :hover, :focus, :nth-child).

- Pseudo-elements style specific parts of elements (e.g., ::before, ::after, ::first-line).
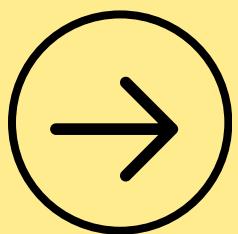
**Neaz Morshed**

🎯 3. How does CSS specificity work?

✅ Answer:
Specificity determines which rule applies when multiple rules target the same element.
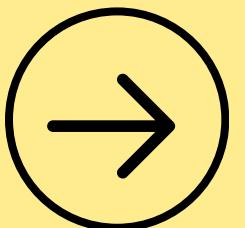
Priority order:

Inline styles > IDs > Classes/attributes/pseudo-classes > Elements/pseudo-elements.

## 🎯 4. Difference between em, rem, %, and px units?

✅ Answer:

- px: Fixed size.
- em: Relative to the parent's font-size.
- rem: Relative to the root (html) font-size.
- %: Relative to the parent's dimension (width/height).

**Neaz Morshed**

🎯 5. Explain the CSS Box Model.

✅ Answer:

Every element is a box with 4 parts:

content → padding → border → margin

Use box-sizing: border-box; to include padding & border in total width/height.

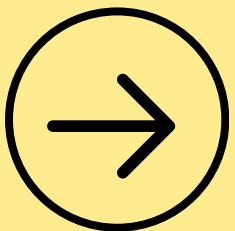→  05                    **Neaz Morshed**

🎯 6. What is Flexbox and why use it?

✅ Answer:

Flexbox provides efficient layout alignment and space distribution in one dimension (row or column). Useful for centering, equal spacing, and responsive layouts.

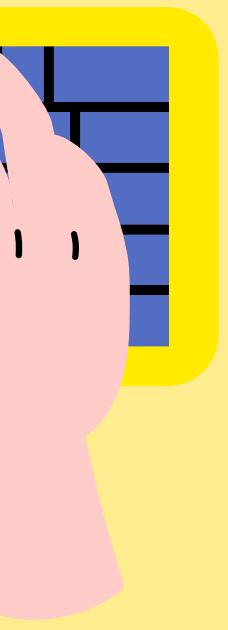Key properties: justify-content, align-items, flex-wrap.

→  06                          **Neaz Morshed**

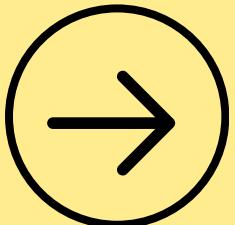🎯 7. What is CSS Grid and how is it different from Flexbox?

✅ Answer:
Grid is for two-dimensional layouts (rows + columns).
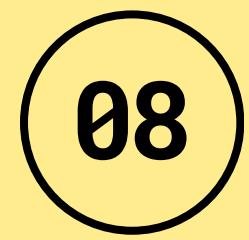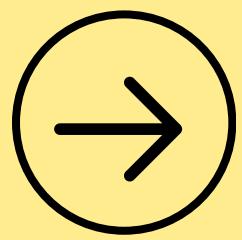Flexbox is for one-dimensional layouts.

Grid offers precise control using grid-template-rows and grid-template-columns.
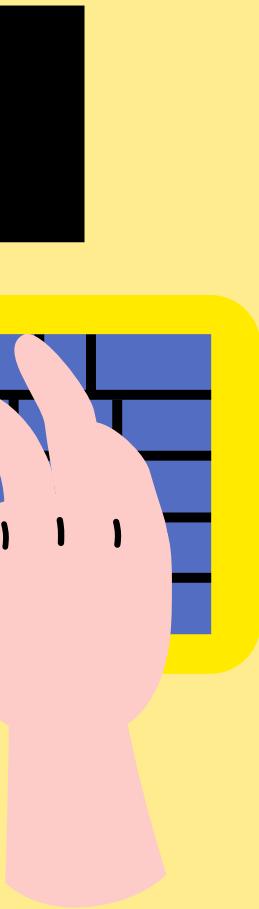
**Neaz Morshed**

🎯 8. How to optimize CSS performance?

✅ Answer:

- Minify & compress CSS files.
- Use critical CSS for above-the-fold content.
- Avoid deep selectors.
- Combine or reduce reflows and repaints.
- Use CSS variables to reduce duplication.

**Neaz Morshed**

## 🎯 9. Difference between CSS transitions and animations?

✅ Answer:

- Transitions: Triggered by user action or state change (:hover).

- Animations: Run automatically using @keyframes.

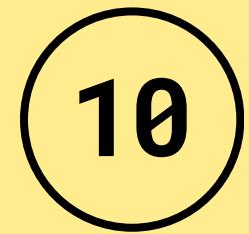- Transitions need a trigger; animations don't.
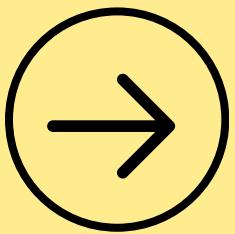
**Neaz Morshed**

🎯 10. Difference between display: none, visibility: hidden, and opacity: 0?

✅ Answer:

- display: none: Element removed from layout.
- visibility: hidden: Element hidden but still takes space.
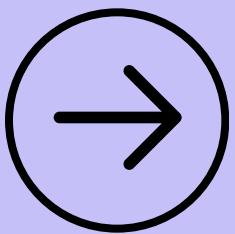- opacity: 0: Element is invisible but clickable and still occupies space.

# Master these and you'll stand out in any interview ✨

# 🚀 Follow for more weekly Frontend & Interview Prep content!

**Neaz Morshed**