Responsive Web Design Interview Questions

## What are media queries?

Media queries are CSS techniques that apply styles based on the device's screen size, resolution, or other properties.

## Explain mobile-first vs desktop-first CSS design.

Mobile-first starts with styling for smaller screens and adds styles for larger screens; desktop-first does the reverse.

## How do you test responsiveness?

Using browser developer tools (e.g. Chrome DevTools), resizing windows, or testing on real devices.

## What units are best for responsive layouts?

Relative units like %, em, rem, and vw/vh are best for responsiveness.

## What is viewport meta tag?

A meta tag that sets the visible area of a webpage for mobile browsers, essential for responsiveness.

## How does flexbox help in responsive design?

Flexbox makes it easier to align and distribute space among items in a container, adapting layout efficiently.

## Difference between absolute and relative units?

Absolute units (px, in) are fixed; relative units (%, em) adapt based on context or parent element.

## How to handle images in responsive design?

Use max-width: 100% and height: auto to ensure images scale with their container.

## What is adaptive vs responsive design?

Adaptive uses fixed layouts for specific devices; responsive adapts fluidly to any screen size.

## Explain CSS grid responsiveness

CSS Grid allows layout elements to auto-adjust using fractional units, auto-fit, and media queries.