HTML • CSS • JavaScript – Interview Cheat Sheet

HTML

- HTML defines structure of web pages
- Semantic tags: header, footer, nav, section, article, main
- Block: div, p, h1 | Inline: span, a, img
- id = unique | class = reusable
- alt attribute improves accessibility & SEO
- GET → data in URL | POST → secure
- <!DOCTYPE html> defines HTML5

CSS

- CSS controls layout & design
- Box Model: margin → border → padding → content
- display: block | inline | inline-block | none
- position: static, relative, absolute, fixed, sticky
- Flexbox: display:flex; justify-content; align-items
- Grid: 2D layout system
- z-index controls stacking
- Media Queries enable responsiveness

JavaScript

- JS adds interactivity
- Data types: number, string, boolean, null, undefined, object
- var (function scope), let (block), const (no reassignment)
- == compares value | === compares value & type
- Hoisting moves declarations to top
- DOM = JS representation of HTML
- Events: click, submit, change
- Arrow function: () => {}
- Promise states: pending, fulfilled, rejected
- async/await simplifies promises

Most Asked Interview Points

- JS is single-threaded
- Closure = function + lexical scope
- null = intentional empty | undefined = not assigned
- LocalStorage = permanent | SessionStorage = tab-based

Tip: If unsure, say: "I understand the concept and can implement it."