JavaScript Interview Notes

1. Variables & Scope

- let, const, var

- Block vs function scope

- Hoisting behavior

2. Data Types

- Primitive: string, number, boolean, null, undefined, symbol, bigint

- Non-primitive: objects, arrays

- == vs ===

3. Functions

- Function declaration vs expression

- Arrow functions

- Callback functions

4. Asynchronous JavaScript

- Callback, Promise, async/await

- Event loop, microtask & macrotask queue

5. Array Methods

- map, filter, reduce, forEach, find, some, every

- Spread & rest operators

6. Objects

- Destructuring, optional chaining

- this keyword

- Prototype & inheritance

7. DOM Manipulation

- Selecting elements

- Events, bubbling, capturing

8. ES6+ Concepts

- Template literals

- Default parameters

- Classes

- Modules (import/export)

9. Closures

- Lexical scope

- Use cases

10. Hoisting

- Variable & function hoisting

11. Execution Context

- Global & Function execution context

- Memory creation & code execution

12. Event Loop

- How JS handles async tasks

13. Promises

- then, catch

- Promise.all, race, allSettled

14. Error Handling

- try/catch

- Custom errors

15. JSON & Storage

- JSON.stringify / JSON.parse

- localStorage, sessionStorage

16. Fetch / API Calls

- GET, POST requests

- Body & headers

17. Call, Apply, Bind

- Control `this` keyword

18. Debouncing & Throttling

- Search optimization

- Scroll performance

Bonus Topics

- Event delegation

- Currying

- Memoization