1. Variables:

Var,

Let,

Const,

Global scope,

Local scope,

Variable hoisting,

1. Data Types:

Primitive datatypes,

Composite/non c primitive datatypes,

String,

Number,

Boolean,

Arrays,

Objects

Iterating over arrays (e.g., forEach, map, filter),

Modifying arrays (e.g., push, pop, splice),

Array DE-structuring,

Creating objects,

Accessing and modifying object properties,

Object methods,

Prototypes and inheritance,

ES6 Classes,

1. Operators:

Arithmetic,

Comparison,

Logical

1. Control Flow:

Conditional statements (if, else, else if),

Loops (for, while, do...while),

Switch statements

1. Functions:

Declaring functions,

Function expressions vs. function declarations,

Arrow functions,

Higher-order functions,

Closures,

Asynchronous JavaScript: Callbacks, Promises, async/await, Error handling in asynchronous code,

Functional Programming: Higher-order functions, Pure functions, Immutability.

1. DOM Manipulation:

Selecting elements,

Modifying element content,

attributes, and styles,

Event handling,

Creating and removing elements

1. Browser APIs:

Local Storage,

Fetch API,

Geolocation API,

WebSockets,

Canvas API.

1. ES6+ Features:

Template literals,

Destructuring,

Default parameters,

Rest and spread operators,

Modules,

let and const.

1. Error Handling:

try...catch statements,

Throwing and catching errors

1. Regular Expressions:

Pattern matching with RegExp,

RegExp methods (test, exec, etc.).

1. Regular Expressions:
2. Debugging:

Using browser developer tools,

Console methods (console.log, console.error, etc.).

1. Regular Expressions:
2. Performance Optimization:

Minification and bundling,

Lazy loading,

Caching,

Debouncing and throttling.

1. Security:

Cross-site scripting (XSS) prevention,

Cross-site request forgery (CSRF) prevention,

Content Security Policy (CSP).

1. Frameworks and Libraries:

React.js,

Vue.js,

Angular,

Express.js (for server-side JavaScript),

Node.js,

NextJS,

Svelte

1. Package Managers:

npm,

Yarn.

1. Build Tools:

Webpack,

Babel,

ESLint.

1. Regular Expressions: