
JavaScript Full Checklist (Normal Version)

JavaScript Fundamentals

- Shorthand
- Loops: `break`, `continue`
- Arrays:
 - Access
 - Modify
 - Check Array
- Strings vs Array
- String Methods:
 - `toLowerCase()`
 - `toUpperCase()`
 - `trim()`
 - `slice()`
 - `includes()`
- Reverse String → `str.split(' ').reverse().join('')`
- Objects:
 - Access
 - Modify
 - Delete
 - Keys / Values
- More About Array:
 - Traverse Array
 - Reverse
 - Sort
 - Copy Array
 - Array of Objects
 - 2D Array
- Conditional Return
- Math Methods:
 - `abs()`
 - `round()`
 - `ceil()`
 - `floor()`
 - `random()`

- Date
 - Swap Variable
 - Max, Min
 - Function Inside Function
 - Error Handling
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DOM (Document Object Model)

- `appendChild()` / `remove()` → Add / Remove elements
 - `getAttribute()`, `setAttribute()`
 - Add / Remove CSS class dynamically
 - Event Bubbling / Delegation / `stopPropagation()`
 - Difference between **HTMLCollection** & **NodeList**
 - Multiple event handlers on one button
 - Live Comment Box (real-time DOM update)
 - `preventDefault()` on form submit + JS input handling
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ES6 / Modern JavaScript

- Template Strings (multi-line + dynamic)
- Spread Operator (`...`)
- Object & Array Destructuring
- Object Methods:
 - `Object.keys()`
 - `Object.values()`
 - `Object.entries()`
- `Object.seal()` and `Object.freeze()`
- Loops:
 - `for...in`
 - `for...of`
 - `Object.entries()`
- Optional Chaining (`?.`)
- Object Access: Dot & Bracket Notation
- Array Methods:
 - `map()`
 - `forEach()`
 - `filter()`
 - `find()`

- `reduce()`
 - Inheritance & Prototype
 - `this` keyword & Encapsulation
 - Truthy & Falsy values
 - Hoisting
 - Block Scope & Global Scope
 - Closure (with example)
 - Pass by Value vs Pass by Reference
 - Pre/Post Increment & Decrement (`++`, `--`)
 - JSON:
 - `JSON.parse()`
 - `JSON.stringify()`
 - API Requests:
 - GET
 - POST
 - PATCH
 - DELETE
 - `localStorage`
 - `sessionStorage`
 - Debugging Tools (console, breakpoints etc.)
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Mobile Banking App Live Project

★ এই লিস্ট এর বাইরেও অনেক কিছু আছে, তার মধ্য থেকে আমাদের জন্য যা জনা দরকার তা অবশ্যই শিখিয়ে দিবেন।