**Core JavaScript Concepts**

1. **What is the difference between var, let, and const?**
2. **What is a closure in JavaScript? Can you give an example?**
3. **What are data types in JavaScript?**
4. **What is the difference between == and ===?**
5. **Explain null vs undefined.**
6. **What is the purpose of use strict?**
7. **What is the this keyword in JavaScript?**
8. **What are arrow functions, and how do they differ from regular functions?**
9. **Explain hoisting in JavaScript.**
10. **What are higher-order functions in JavaScript?**

**DOM Manipulation & Events**

1. **How do you select elements from the DOM using JavaScript?**
2. **How would you add an event listener to a button?**
3. **What is event delegation?**
4. **How do you prevent the default action of an event in JavaScript?**
5. **What is the difference between target and currentTarget in event handling?**

**Functions & Objects**

1. **What is the difference between function declarations and function expressions?**
2. **How do you create an object in JavaScript?**
3. **What are the different ways to loop through an object’s properties?**
4. **What are the different ways to clone an object in JavaScript?**

**Asynchronous JavaScript**

1. **What is the purpose of promises in JavaScript?**
2. **Explain the difference between synchronous and asynchronous code.**
3. **What is async and await, and how do they work?**
4. **What are callbacks in JavaScript, and how are they used?**

**Arrays & Iteration**

1. **What is the difference between map(), filter(), and reduce()?**
2. **How do you add/remove elements from an array?**
3. **What is the purpose of the forEach() method?**
4. **Explain how to sort an array in JavaScript.**

**Error Handling**

1. **How do you handle errors in JavaScript?**
2. **What is the difference is between try...catch and throw in JavaScript?**

**Miscellaneous**

1. **What is the difference between call(), apply(), and bind()?**
2. **What is the typeof operator used for?**
3. **Explain what a promise chain is and how it works.**
4. **What is a polyfill, and why would you use one?**
5. **What are setTimeout() and setInterval() functions?**
6. **What is the purpose of JSON.stringify() and JSON.parse()?**
7. **What is the difference between var, let, and const?**

 **var** is function-scoped.

 **let** is block-scoped and can change.

**const** is block-scoped and cannot change

1. **What is a closure in JavaScript? Can you give an example?**

A **closure** in JavaScript is when a **function** **needs** **access** to **variables** from its **outer** **scope**, even **after** the **outer** **function** has **finished** running.

const VarName = outerFunction();

  VarName();  // it prints Output

1. **What are data types in JavaScript?**

JavaScript data types include **primitives** like **String**, **Number**, and **Boolean**, **undefined**, **Null, Symbol, BIgInt** and **reference** **types** like **Object** and **Array**, function

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