

Batch 1 - JavaScript Test (Interview-Oriented)

Part A - Theory (5 Questions) - Set 1

1. What is the difference between var, let, and const? Explain with one example each.
2. List all primitive data types in JavaScript. Give one real-world use case for any two.
3. What is the difference between == and ===? Which one is better to use in projects?
4. Explain with an example how the operator += works in JavaScript.
5. What is the difference between null and undefined in JavaScript?

Part A - Theory (5 Questions) - Set 2

1. Explain the difference between var, let, and const with real-time usage examples.
2. What is declaration and initialization of a variable? Give one example for each.
3. Can we re-assign values to variables declared with let and const? Explain with code.
4. List the 4 main categories of operators in JavaScript and give one example operator for each.
5. Why is let and const preferred over var in modern JavaScript (2025)?

Part B - Programming (5 Questions)

1. Declare a variable using let, initialize it with a number, then re-assign it with a new value. Print both.
2. Write a program using const to store PI value and show what happens if you try to re-assign it.
3. Write a program to check if a number is greater than 50 using a comparison operator.
4. Write a program to add two numbers using arithmetic operator and store result using an assignment operator.
5. Write a program using a logical operator to check if a person is eligible to vote (age >= 18 AND isCitizen = true).

Part C - Scenario-Based (5 Questions)

1. In a shopping cart, which variable keyword will you use to store the total bill (var, let, or const)? Why?
2. A developer declared a variable but forgot to give value (only declaration). What will JavaScript assign by default?
3. A student's marks change often, but their roll number never changes. Which variable keywords (let / const) will you use for each?

4. In a banking app, balance keeps reducing when withdrawing money. Which operator type is applied here?
5. During a login check, you need to ensure user is logged in AND password is correct. Which operator category will you use?