



## Sure! Here are 10 questions related to conditional statements,

1. Basic Syntax: What is the basic syntax of an if statement in Java?
2. Else Statement: How do you use an else statement in conjunction with an if statement? Provide an example.
3. Else If Ladder: What is an "else if" ladder, and how is it structured in Java? Can you give a code example?
4. Nested If Statements: What are nested if statements, and when would you use them? Provide a brief example.
5. Boolean Expressions: What types of expressions can be used in the condition of an if statement?
6. Short-Circuit Evaluation: Explain how short-circuit evaluation works with && (AND) and || (OR) operators in Java's if statements.
7. Ternary Operator: How can you replace a simple if-else statement with a ternary operator in Java? Give an example.
8. Switch Statement: When would you prefer a switch statement over multiple if-else statements? What are the limitations of switch compared to if?
9. Comparison Operators: What are the common comparison operators used in if statements, and how do they differ?
10. Best Practices: What are some best practices to follow when using if statements in Java to improve code readability and maintainability?