**# Logical-x-Coding-Challenge 🔥💻🚀**

Got it! Here's a **Every-day coding challenge** with **as much as possible questions per day** to help you strengthen your logic-building and problem-solving skills in Java. These questions will focus on **core Java** topics such as arrays, strings, loops, control flow, and collections—without diving into **Object-Oriented Programming (OOP)** concepts.

**Day 1: Java Basics and Control Flow**

**Topics: Variables, Data Types, Operators, Conditionals (if, else, switch), Loops (for, while, do-while)**

1. **Print "Hello, World!" in Java.**
2. **Check if a number is even or odd.**
3. **Write a program to check if a number is positive, negative, or zero.**
4. **Print all numbers from 1 to N using a loop.**
5. **Find the largest of three numbers.**
6. **Write a program to reverse a number (e.g., 123 -> 321).**
7. **Find the factorial of a number using a loop.**
8. **Check if a number is divisible by both 3 and 5.**
9. **Print the multiplication table of a number.**
10. **Write a program to find the sum of digits of a number (e.g., 123 -> 6).**
11. **Write a program to check if a number is prime.**
12. **Write a program to find the sum of numbers from 1 to N.**
13. **Write a program to check if a year is a leap year.**
14. **Print the Fibonacci series up to N numbers.**
15. **Find the minimum of two numbers.**
16. **Write a program to print all prime numbers up to N.**
17. **Count the number of vowels in a string.**
18. **Check if a string is a palindrome.**
19. **Print the reverse of a string.**
20. **Print all even numbers from 1 to N.**
21. **Write a program to swap two numbers without using a temporary variable.**
22. **Write a program to find the smallest element in an array.**
23. **Find the sum of all elements in an array.**
24. **Count the number of characters in a string.**
25. **Write a program to find the average of an array of numbers.**