1. **Hello, World!**

Write a Java program that prints "I'm an Indian" to the console.

1. **Variable Declaration and Initialization**

Declare an integer variable, assign it a value, and print its value.

1. **Simple Addition**

Write a program that declares two integer variables, adds them, and prints the sum.

1. **Floating-Point Multiplication**

Declare two floating-point variables (use double), multiply them, and print the result.

1. **Rectangle Area Calculator**

Write a Java program that calculates and prints the area of a rectangle given its length and width.

1. **Circle Circumference**

Create a program that calculates the circumference of a circle given its radius. (Use the formula: circumference = 2 \* π \* radius. You can use Math.PI for π.)

1. **Positive, Negative, or Zero**

Write a program that reads an integer and uses an if-else statement to determine if the number is positive, negative, or zero.

1. **Finding the Maximum**

Write a program that compares two integers and prints the larger one.

1. **Even or Odd Check**

Write a Java program to determine whether a given number is even or odd.

1. **For-Loop Counting**

Use a for-loop to print the numbers from 1 to 10.

1. **Summing Numbers with While-Loop**

Write a program that uses a while-loop to calculate and print the sum of numbers from 1 to 10.

1. **Multiplication Table**

Write a Java program that prints the multiplication table (from 1 to 10) for a given number.

1. **Do-While Loop Example**

Use a do-while loop to print the numbers from 1 to 5.

1. **Array Declaration and Printing**

Declare an array of integers with at least five elements and write a program that prints each element.

1. **Average of Array Elements**

Write a program that calculates and prints the average of the elements in an integer array.

1. **Find the Maximum in an Array**

Create a program that finds and prints the maximum value stored in an integer array.

1. **Factorial Calculation**

Write a Java program that calculates the factorial of a given positive integer using a loop.

1. **Reversing an Integer**

Write a program that reverses the digits of an integer (e.g., input: 1234, output: 4321).

1. **Palindrome Checker for Strings**

Write a Java program that checks if a given string is a palindrome (reads the same backward as forward).

1. **String Concatenation**

Declare two string variables and write a program that concatenates them and prints the result.

1. **Convert to Uppercase**

Write a program that takes a string and prints the same string in uppercase letters.

1. **Count Vowels in a String**

Write a Java program that counts and prints the number of vowels (a, e, i, o, u) in a given string.

1. **Swap Two Numbers**

Write a program that swaps the values of two numbers using a temporary variable and prints the swapped values.

1. **Sum of Digits**

Write a Java program that calculates and prints the sum of the digits of an integer.

1. **Star Pattern Printing**

Write a program that prints a simple star pattern (for example, a right-angled triangle) on the console.

1. **Celsius to Fahrenheit Converter**

Write a Java program that converts a temperature in Celsius to Fahrenheit. (Formula: Fahrenheit = (Celsius \* 9/5) + 32)

1. **Miles to Kilometers Converter**

Write a program that converts a distance in miles to kilometers. (Use the conversion: 1 mile ≈ 1.60934 km)

1. **Day of the Week with Switch-Case**

Write a program that uses a switch-case statement to print the day of the week for an integer input (e.g., 1 for Monday, 2 for Tuesday, etc.).

1. **Type Casting Demonstration**

Write a program that demonstrates explicit type casting by converting a double to an int and printing both values.

1. **Sum of Array Elements Using For-Each Loop**

Declare an array of integers and write a program that uses a for-each loop to calculate and print the sum of its elements.

1. **Iterate Over a String Array**

Create a string array containing a few names. Write a program that uses a for-each loop to print each name.

1. **String Length Method**

Write a program that reads a string and prints its length using the length() method.

1. **Compare Two Strings**

Write a program that compares two strings for equality (use the equals() method) and prints whether they are equal or not.

1. **Fibonacci Sequence Generator**

Write a Java program that prints the first n Fibonacci numbers (where n is a given positive integer).

1. **Leap Year Checker**

Write a program that determines if a given year is a leap year. (Hint: A year is a leap year if it is divisible by 4 but not by 100, except if it is divisible by 400.)