

Java Practical File – List of 27 Programs

1. Write a Java program that displays the message "Hello, Java!" on the screen.
2. Create a program that takes two numbers from the user and prints their sum.
3. Write a program to determine whether a number is even or odd using a bitwise operator.
4. Create a program that checks whether a particular element exists in an array.
5. Write a program to calculate the sum of all digits in a given integer.
6. Write a program that takes a number and prints its reverse.
7. Write a program to determine whether a number is prime.
8. Develop a program to identify the largest value among three numbers.
9. Construct a program that prints the multiplication table of a number entered by the user.
10. Design a program to check whether a number is a palindrome.
11. Write a program to count how many times a specific element appears in an array.
12. Create a program that generates the Fibonacci sequence up to a limit given by the user.
13. Write a program to check if a number qualifies as an Armstrong number.
14. Write a program to verify whether the provided array is already sorted or not.
15. Make a program that produces a new array after deleting a particular element.
16. Create a program to reverse all elements of an array.
17. Develop a program to sort array elements in ascending order using selection sort.
18. Write a program to combine two sorted arrays into one sorted array.
19. Write a program to calculate the GCD/HCF of two integers.
20. Create a program that finds the LCM (Least Common Multiple) of two numbers.
21. Make a program that prints star patterns such as: Right-angled triangle, Inverted right-angled triangle, Left-aligned triangle.
22. Write a program to input values into a 2D array and compute the sum of all its elements.
23. Develop a program to check whether a year is a leap year.
24. Write a program to accept 20 integers in an array and based on user choice display perfect or buzz numbers.
25. Write a program to sort a list of names alphabetically (A-Z).

26. Develop a program that reads from a text file and prints the total number of characters, words, and lines.

27. Create an abstract class Shape with fields & abstract method, and extend it using Trapezoid, Triangle, and Hexagon.