

## **Basic Programs**

### **Level 1**

1. Java program for Arithmetic Operation
2. Java program to find greatest of two numbers
3. Java program to find greatest of three numbers
4. Java program to check the given value is Positive or Negative
5. Java Program to check Whether a Number is Even or Odd
6. Java program for Arithmetic Operation using Switch Case
7. Java program to find Factorial value of given number
8. Java program to print Fibonacci series of given number
9. Java program to check the given number is Palindrome or Not Palindrome
10. Java program to check the given number is Armstrong or Not Armstrong
11. Java program to check the given number is Prime or Not Prime
12. Java Program to Swap Two Numbers

### **Level 2**

13. Java Program to Check Whether a Number is Perfect Number or Not Perfect
14. Java Program to Calculate the Sum of Natural Numbers
15. Java Program to Generate Multiplication Table
16. Java Program to Reverse a Number
17. Java Program to Display Prime Numbers Between Two Intervals
18. Java Program to Display ODD numbers Between Two Intervals
19. Java Program to Display EVEN numbers Between Two Intervals
20. Java Program to Find Factorial of a Number Using Recursion

## Array and Pattern Programs

1. Java Program to copy all elements of one array into another array
2. Java Program to Reverse the array
3. Java Program to find Duplicate(Repeated) elements in the given array
4. Java Program to print the elements of an array present on even position
5. Java Program to print the elements of an array present on odd position
6. Java Program to print the largest element in an array
7. Java Program to print the smallest element in an array
8. Java Program to print the sum of all the items of the array
9. Java Program for Matrix Addition, Subtraction, Multiplication, Division operations
10. Java Program to sort the elements of an array in ascending order
11. Java Program to sort the elements of an array in descending order
12. Java Program to display the lower triangular matrix
13. Java Program to display the upper triangular matrix
14. Java program to print the pattern

Input : n=5

Output:

```
*  
* *  
* * *  
* * * *  
* * * * *
```

15. Java program to print the pattern using recursion method

input : n=5

Output:

```
*  
* *  
* * *  
* * * *  
* * * * *
```

16. Java program to print the array as Alternative values.

input a[] = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Output:

1 10 2 9 3 8 4 7 5 6

## **String Programs**

17. Java program to count the words in given string

input : Core Java training

output: word count is : 3

18. Java program to count vowels and consonants in given string

19. Java program to check the given word is Palindrome or Not

20. Java program to find the duplicate characters in a string

21. Java Program to determine whether two strings are the anagram

22. Java Program to remove all the white spaces from a string

23. Java Program to swap two string variables without using third or temp variable.

24. Java program to capitalise first letter of each word in a string

input: core java training

output: Core Java Training

25. Java program to find the words which contains the part of the characters in the given string

Input: there is a new way to go home faster (Key -> er)

Output: there, faster

26. Java program to find first non-repeating character

input: Java Training

output: J