Exercise 1 Programs

1. Swap two numbers without using a third variable in Java

2. Check if the given number is a prime number.

3. Check if a list of integers contains only odd numbers in Java, if so print yes else no

4. Find the factorial of a given integer

5. Find the second largest number in an array

6. Get n digit number from the user and check if the number is a palindrome

7. Check if a given number is armstrong number

8. Calculate sum of digits of a given number

9. Print Fibonacci series

10. Given a sentence, check if it has vowels in it.

11. Write a program to reverse the order of words in a given string. For example, if the input is "Hello World", the output should be "World Hello".

12. Calculate the greatest common divisor (GCD) of two positive integers

13. Sort an array of integers in ascending order

14. Check if two strings are anagrams (contain the same characters but in a different order).

15. Given a 2D board and a word, find if the word exists in the grid. The word can be constructed from letters of sequentially adjacent cells, where "adjacent" cells are horizontally or vertically neighboring.