**1. Write a Java program to find the factorial of a given number using recursion.**

**2. Create a Java program to check if a number is prime or not.**

**3. Implement a Java program to reverse a string without using the StringBuilder or StringBuffer classes.**

**4. Write a Java program to find the sum of digits in a given number.**

**5. Implement a Java method to check if two strings are anagrams.**

**6. Create a Java program to find the largest element in an array.**

**7. Write a Java method to calculate the Fibonacci sequence up to a given number.**

**8. Implement a Java program to sort an array using the Bubble Sort algorithm.**

**9. Create a Java program to calculate the area of a circle given its radius.**

**10. Write a Java method to check if a given year is a leap year.**

**11. Implement a Java program to find the intersection of two arrays.**

**12. Write a Java method to reverse a linked list.**

**13. Create a Java program to calculate the power of a number using recursion.**

**14. Implement a Java method to find the common elements between two arrays.**

**15. Write a Java program to implement binary search on a sorted array.**