**Basic Addition**

**Program :**

import java.util.Scanner;

public class Addition {

static int add(int a, int b) {

return a + b;

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter first number: ");

int num1 = sc.nextInt();

System.out.print("Enter second number: ");

int num2 = sc.nextInt();

System.out.println("Sum: " + add(num1, num2));

sc.close();

}

}

**String Concatenation**

**Program :**

import java.util.Scanner;

public class String\_Concat {

static String concatenate(String str1, String str2) {

StringBuilder sb = new StringBuilder();

sb.append(str1);

sb.append(str2);

return sb.toString();

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter first string: ");

String str1 = sc.nextLine();

System.out.print("Enter second string: ");

String str2 = sc.nextLine();

System.out.println("Concatenated String: " + concatenate(str1, str2));

sc.close();

}

}

**Fibonacci Series using Recursion**

**Program :**

import java.util.Scanner;

public class FibonacciRecursion {

static void fibonacci(int n, int first, int second) {

if (n == 0) return;

System.out.print(first + " ");

fibonacci(n - 1, second, first + second);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter number of terms: ");

int terms = sc.nextInt();

System.out.print("Fibonacci Series: ");

fibonacci(terms, 0, 1);

sc.close();

}

}

**Find the Missing Number**

**Program :**

import java.util.Scanner;

public class MissingNumber {

static int findMissingNumber(int[] arr, int n) {

int expectedSum = n \* (n + 1) / 2;

int sum = 0;

for (int num : arr) {

sum += num;

}

return expectedSum - sum;

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter the value of n: ");

int n = sc.nextInt();

int[] arr = new int[n-1];

System.out.println("Enter " + (n-1) + " numbers:");

for (int i = 0; i < n-1; i++) {

arr[i] = sc.nextInt();

}

System.out.println("Missing number: " + findMissingNumber(arr, n));

sc.close();

}

}