1. **Sum and Average of Elements in an Array:**

import java.util.Scanner;

public class SumAndAverage {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter the size of the array

System.out.println("Enter the number of elements in the array:");

int n = scanner.nextInt();

int[] array = new int[n];

int sum = 0;

// Prompt the user to enter the elements of the array

System.out.println("Enter the elements of the array:");

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

array[i] = scanner.nextInt();

sum += array[i];

}

// Calculate the average

double average = (double) sum / n;

// Output the sum and average

System.out.println("Sum: " + sum);

System.out.println("Average: " + average);

scanner.close();

}

}

OUTPUT:

Enter the number of elements in the array:

5

Enter the elements of the array:

1

2

3

4

5

Sum: 15

Average: 3.0

1. **Sorting an Array in Ascending Order:**

import java.util.Scanner;

import java.util.Arrays;

public class SortArray {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter the size of the array

System.out.println("Enter the number of elements in the array:");

int n = scanner.nextInt();

int[] array = new int[n];

// Prompt the user to enter the elements of the array

System.out.println("Enter the elements of the array:");

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

array[i] = scanner.nextInt();

}

// Sort the array in ascending order

Arrays.sort(array);

// Print the sorted array

System.out.println("Sorted array:");

for (int num : array) {

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

}

scanner.close();

}

}

OUTPUT:

Enter the number of elements in the array:

5

Enter the elements of the array:

4

2

5

1

3

Sorted array:

1 2 3 4 5