// Program to Create and Print an Array

public class ArrayExample {

public static void main(String[] args) {

// Initialize an array of integers

int[] numbers = {5, 2, 8, 7, 1};

// Print elements of the array

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

for (int i = 0; i < numbers.length; i++) {

System.out.print(numbers[i] + " ");

}

}

}

// Program to Sort an Array in Ascending Order

import java.util.Arrays;

public class SortArray {

public static void main(String[] args) {

int[] numbers = {5, 2, 8, 7, 1};

// Sort the array

Arrays.sort(numbers);

// Print the sorted array

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

for (int i = 0; i < numbers.length; i++) {

System.out.print(numbers[i] + " ");

}

}

}

// Program to Reverse an Array

public class ReverseArray {

public static void main(String[] args) {

int[] numbers = {5, 2, 8, 7, 1};

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

for (int i = 0; i < numbers.length; i++) {

System.out.print(numbers[i] + " ");

}

// Reverse the array

System.out.println("\nReversed array:");

for (int i = numbers.length - 1; i >= 0; i--) {

System.out.print(numbers[i] + " ");

}

}

}