***find the largest and smallest elements in an array***

import java.util.Scanner;

public class FindMinMaxInArray {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the size of the array: ");

int size = scanner.nextInt();

int[] array = new int[size];

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

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

array[i] = scanner.nextInt();

}

int largest = findLargestElement(array);

int smallest = findSmallestElement(array);

System.out.println("Largest Element: " + largest);

System.out.println("Smallest Element: " + smallest);

}

public static int findLargestElement(int[] array) {

int largest = array[0];

for (int i = 1; i < array.length; i++) {

if (array[i] > largest) {

largest = array[i];

}

}

return largest;

}

public static int findSmallestElement(int[] array) {

int smallest = array[0];

for (int i = 1; i < array.length; i++) {

if (array[i] < smallest) {

smallest = array[i];

}

}

return smallest;

}

}

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public class ArrayMinMax {

public static void main(String[] args) {

int[] array = {5, 2, 9, 1, 7, 3, 8};

int smallest = array[0];

int largest = array[0];

for (int i = 1; i < array.length; i++) {

if (array[i] < smallest) {

smallest = array[i];

} else if (array[i] > largest) {

largest = array[i];

}

}

System.out.println("Smallest Element: " + smallest);

System.out.println("Largest Element: " + largest);

    }

}