**8 )Write a program to find the Second Largest Element in an Array.**

import java.util.Scanner;

public class SecondLargestInArray { public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

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

int n = sc.nextInt(); int[] arr = new int[n];

System.out.println("Enter the elements:"); for (int i = 0; i < n; i++) {

arr[i] = sc.nextInt();

}

int largest = Integer.MIN\_VALUE;

int secondLargest = Integer.MIN\_VALUE; for (int i = 0; i < n; i++) {

if (arr[i] > largest) {

secondLargest = largest; largest = arr[i];

} else if (arr[i] > secondLargest && arr[i] != largest) { secondLargest = arr[i];

}

}

if (secondLargest == Integer.MIN\_VALUE) {

System.out.println("There is no second largest element.");

} else {

System.out.println("The second largest element is: " + secondLargest);

}

}

}