1. **Write a program to find the Largest and Smallest Element in an Array.**

public class LargestSmallestInArray {

public static void main(String[] args) {

int[] array = {3, 5, 1, 8, -2, 7, 9, 0};

int largest = array[0];

int smallest = array[0];

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

{ if (array[i] > largest) {

largest = array[i];

} else if (array[i] < smallest) {

smallest = array[i];

}

}

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

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

}

}