**Code for Quick Sort :**

import java.util.\*;

public class Main{

public static int partition(int a[], int s, int e){

int i = s - 1;

for (int j = s; j < e; j++){

if (a[j] <= a[e]){

i++;

swap(a, i, j);

}

}

swap(a, i+1, e);

return i + 1;

}

static void swap(int a[], int i, int j){

int temp = a[i];

a[i] = a[j];

a[j] = temp;

}

static void QuickSort(int a[], int s, int e){

if (s>=e){

return;

}

int index = partition(a, s, e);

QuickSort(a, s, index - 1);

QuickSort(a, index + 1, e);

return;

}

public static void main(String []args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter no of elements in array");

int n = sc.nextInt();

int a[] = new int[n];

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

for(int q = 0; q < n; q++)

a[q] = sc.nextInt();

QuickSort(a, 0, n - 1);

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

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

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

}

System.out.println();

}

**Output :**

Enter no of elements in array

4

Enter elements of array

2

7

5

3

Sorted array is

2 3 5 7

\*\* Process exited - Return Code: 0 \*\*