import java.util.Scanner;

public class SelectionSort

{

public static void main(String args[])

{

int size, i, j, temp;

int arr[] = new int[50];

Scanner scan = new Scanner(System.in);

System.out.print("Masukkan ukuran array : ");

size = scan.nextInt();

System.out.print("Masukkan elemen-elemen array. \n");

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

{

System.out.print("Masukkan elemen ke-" + (i+1) + " : ");

arr[i] = scan.nextInt();

}

int k=0;

System.out.print("Melakukan pengurutan menggunakan teknik Selection Sort..\n");

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

{

for(j=i+1; j<size; j++)

{

if(arr[i] > arr[j])

{

temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

for (k=0; k<size; k++)

System.out.print(" " + arr[k] + " ");

System.out.println();

}

}

System.out.print("Data yang sudah terurut :\n");

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

{

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

}

System.out.println();

}

}