import java.io.\*;

class Sort

{

int n;

int A[]=new int[20];

void get\_data()throws IOException

{

System.out.print("Enter range:");

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

n=Integer.parseInt(br.readLine());

System.out.println("Enter array elements to be sorted:");

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

A[i]=Integer.parseInt(br.readLine());

System.out.println();

}

void display()

{

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

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

}

void fn\_intsort()

{

int tmp;

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

for(int j=i+1;j<n;j++)

if(A[j]<A[i])

{

tmp=A[i];

A[i]=A[j];

A[j]=tmp;

}

}

}

class IntegerSort

{

public static void main(String args[])throws IOException

{

Sort obj=new Sort();

obj.get\_data();

System.out.print("Array Before Sorting : ");

obj.display();

obj.fn\_intsort();

System.out.print("\nArray after Sorting : ");

obj.display();

}

}

