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#include <stdio.h>

int a[20],i,j,n,min,loc;

void read()

{

printf("enter the number of elements: ");

scanf("%d",&n);

printf("enter the numbers:\n ");

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

{

scanf("%d",&a[i]);

}

}

void sort()

{

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

{

min=a[i];

loc=i;

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

{

if(a[j]<min)

{

min=a[j];

loc=j;

}

}

a[loc]=a[i];

a[i]=min;

}

}

void display()

{

printf("sorted array is: ");

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

{

printf("%d\t",a[i]);

}

}

void main()

{

read();

sort();

display();

}