**WAP to enter 5 elements and display them in ascending and descending order.**

**#include<stdio.h>**

**#include<conio.h>**

**void swap(int\*,int\*);**

**int main()**

**{**

**int count,j,i;**

**printf("How many numbers to be added in the array:\t");**

**scanf("%d",&count);**

**int num[count];**

**for (i=0;i<count;i++)**

**{**

**j=i;**

**printf("\nEnter number for num[%d]:\t",j);**

**scanf("%d",&num[j]);**

**if(j>0)**

**{**

**if(num[j]>num[j-1])**

**{**

**do**

**{**

**swap(&num[j],&num[j-1]);**

**j=j-1;**

**if(j==0)**

**break;**

**}while(num[j]>num[j-1]);**

**}**

**}**

**}**

**printf("\n\nIn descending order:");**

**for (i=0;i<count;i++)**

**{**

**printf(" %d",num[i]);**

**}**

**printf("\n\nIn ascending order:");**

**for (i=(count-1);i>=0;i--)**

**{**

**printf(" %d",num[i]);**

**}**

**getch();**

**return 0;**

**}**

**void swap(int \*a,int \*b)**

**{**

**int c;**

**c=\*a;**

**\*a=\*b;**

**\*b=c;**

**}**