SORTING:-

PROGRAM:-

#include<stdio.h>

#include<conio.h>

void main()

{

int a[20],i,j,n,t;

clrscr();

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

scanf("%d",&n);

printf("\n Entry required: \n");

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

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

//clrscr();

printf("\n Entered numbers: \n\t");

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

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

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

{

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

{

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

{

t=a[j];

a[j]=a[i];

a[i]=t;

}

}

}

printf("\n Sorted numbers in ascending order: \n\t");

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

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

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

{

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

{

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

{

t=a[j];

a[j]=a[i];

a[i]=t;

}

}

}

printf("\n Sorted numbers in descending order: \n\t");

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

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

getch();

}

OUTPUT:-

