**Insertion Sort**

#include<stdio.h>

#include<conio.h>

void main()

{

int a[10], i, j, key, n, temp;

clrscr();

printf("Enter the number of elements\n");

scanf("%d",&n);

printf("Enter the elements\n");

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

{

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

}

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

{

temp = a[i];

for(j = i; j > 0 && a[j-1] > temp; j--)

a[j] = a[j-1];

a[j] = temp;

}

printf("The Sorted Array is\n");

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

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

getch();

}