**Assignment No : 4.3**

**Title : Implementation of Program of sorting techniques using array.(Bubble sort)**

#include<iostream.h>

#include<conio.h>

void BUBBLE\_SORT(int \*arr,int n);

void BUBBLE\_SORT(int \*arr,int n)

{

int temp;

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

{

for(int j=0;j<n-i-1;j++)

{

if(arr[j]>arr[j+1])

{

temp=arr[j];

arr[j]=arr[j+1];

arr[j+1]=temp;

}

}

}

}

void main()

{

clrscr();

int n,arr[10],temp;

cout<<"Enter size of an array"<<endl;

cin>>n;

cout<<"Enter elements in array"<<endl;

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

{

cin>>arr[i];

}

BUBBLE\_SORT(arr,n);

cout<<"Array after sort"<<endl;

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

{

cout<<arr[i]<<"\t";

}

getch();

}