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**Date:-**

**Roll No:-** 66

**Class:-** SYBCA

**Batch:-**

**Practical 8 :-** Implementation of Bubble sort.

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```
#include<iostream.h>
#include<conio.h>
class bubble
{
int a[10], n;
public:
void GetData()
{
    cout<<"\nEnter no of elments: ";
    cin>>n;
    cout<<"\nEnter the nos: ";
    for(int i=0;i<n;i++)
    {
        cin>>a[i];
    }
}

void sort()
{
    for(int i=0;i<n-1;i++)
    {
        for(int j=0;j<=n-i-1;j++)
        {
            if(a[j]>a[j+1])
            {
                int temp = a[j];
                a[j] = a[j+1];
                a[j+1] = temp;
            }
        }
    }
}

void display()
{
    cout<<"\nSorted Nos are: ";
    for(int i=0;i<n;i++)
    {
        cout<<a[i]<<"\n";
    }
}
};
```

```
void main()
{
    clrscr();
    bubble b;
    b.GetData();
    b.display();
    b.sort();
    b.display();
    getch();
}
```

## **OUTPUT**

Enter no of elements: 4

Enter the nos: 34    98    12    3

**Unsorted Nos are:**

34

98

12

3

**Sorted Nos are:**

3

12

34

98