

# Experiment No 1.1

## **Bubble Sort :**

```
#include<iostream>

using namespace

std; #define max
100 class bubble
{
    public:    int
ar1[max];    int no;

    void getdata()
    {
        cout<<"Enter how many value you want to enter";

        cin>>no;

        cout<<"Enter your values for sorting";    for(int
i=0;i<no;i++)
        {
            cin>>ar1[i];

        }
    }

    void sortdata()
    {
        for(int i=0;i<no;i++)
        {
            for(int j=1;j<no;j++)
            {

                int temp;
```

```

        if(ar1[j-1]>ar1[j])
        {
            temp=ar1[j];        ar1[j]=ar1[j-1];
            ar1[j-1]=temp;
        }
    }
    for(int k=0;k<no;k++)
    {
        cout<<ar1[k]<<"\t";
    }
    cout<<endl;
}

}
}; int
main()
{
    bubble obj;
    obj.getdata();
    obj.sortdata();    return 0;
}

```

## Output :

Enter how many value you want to enter5

Enter your values for sorting10

2

3

4

1

2 3 4 1 10

2 3 1 4 10

2 1 3 4 10

1 2 3 4 10

1 2 3 4 10