

# Experiment No 1.2

## Insertion Sort :

```
#include<iostream>

#include<stdio.h>

#define max 100

using namespace std;

class A
{
    public:

    int temp,i,j,no,a[max];

    public:

    void readdata()
    {
        cout<<"Enter values you want to enter";

        cin>>no;

        for(i=0;i<no;i++)
        {
            cin>>a[i];
        }

        } void
        sorting()
        {
            for(int i=1;i<no;i++)
            {
                temp=a[i];

                for(int j=i;j>0;j--)
                {
```

```

        if(temp<a[j-1])
        {
            int t;          t=a[j];

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

        }
    }

    for(int k=0;k<no;k++)
    {
        cout<<a[k]<<"t';

    }

    cout<<endl;

}

};

int main()

{
    A o;

    o.readdata();

    o.sorting(); return

    0;

}

```

## Output :

Enter values you want to enter3

10

4

6

4 10 6

4 6 10