



Shri Vile Parle Kelavani Mandal's

INSTITUTE OF TECHNOLOGY

DHULE (M.S.)

DEPARTMENT OF COMPUTER ENGINEERING

Subject : Object Oriented Programing lab

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Expt. No. :02

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Title : Program on dealing with Arrays and Sorting of Array

Remark

Signature

Code:

```
#include<iostream>
using namespace std;
int main()
{
    int a[10],n,j,temp;
    cout<<"Enter the number of elements :\\n";
    cin>>n;
    cout<<"Enter thr array elements \\n";
    for(int i=0;i<n;i++)
    {
        cin>>a[i];
    }
    cout<<"The array elements are :\\n";
    for (int i=0;i<n;i++)
    {
        cout<<a[i]<<endl;
```

```
    }  
    cout<<"\nSorting the Array in ascending order\n";  
    for(int i=0;i<(n-1);i++)  
    {  
        for(int j=0;j<(n-i-1);j++)  
        {  
            if(a[j]>a[j+1])  
            {  
                temp=a[j];  
                a[j]=a[j+1];  
                a[j+1]=temp;  
            }  
        }  
    }  
    cout<<"Array sorted successfully\n";  
    cout<<"The array elements after sorting are :\n";  
    for (int i=0;i<n;i++)  
    {  
        cout<<a[i]<<endl;  
    }  
    return 0;  
}
```

Output:

```
Enter the number of elements :  
3  
Enter thr array elements  
24  
78  
12  
The array elements are :  
24  
78  
12  
  
Sorting the Array in ascending order  
Array sorted successfully  
The array elements after sorting are :  
12  
24  
78  
  
Process returned 0 (0x0)   execution time : 11.764 s  
Press any key to continue.  
|
```