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#include <iostream.h>
#include <conio.h>
int i, j, temp;

void ASC(int a[], int m)
{
    cout << "Data after sorting: ";
    for (i = 0; i < m; i++)
        for (j = 0; j < m - 1 - i; j++)
            if (a[j] > a[j + 1])
            {
                temp = a[j];
                a[j] = a[j + 1];
                a[j + 1] = temp;
            }
    for (j = 0; j < m; j++)
        cout << a[j] << " ";
}

void DESC(int a[], int m)
{
    cout << "Data after sorting: ";
    for (i = 0; i < m; i++)
        for (j = 0; j < m - 1 - i; j++)
            if (a[j] < a[j + 1])
            {
                temp = a[j];
                a[j] = a[j + 1];
                a[j + 1] = temp;
            }
    for (j = 0; j < m; j++)
        cout << a[j] << " ";
}

void main()
{
    clrscr();
    int ar[20], m, l;
    char ch;
    cout << "\n* * * * * SORTING OF ELEMENTS * * * * *";
    cout << "\n 1. Ascending Order";
    cout << "\n 2. Descending Order";
    cout << "\n\nEnter your choice:>";
    cin >> ch;
    cout << "\n\nEnter the number of elements you want to enter:>";
    cin >> m;
    cout << "\nEnter elements:\n>";
    for (l = 0; l < m; l++)
        cin >> ar[l];
    switch (ch)
    {
        case '1':
            ASC(ar, m);
            break;
        case '2':
            DESC(ar, m);
            break;
        default:
            cout << "\nPlease enter a valid option...";
    }
    getch();
}

```

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* * * * * SORTING OF ELEMENTS * * * * *
1. Ascending Order
2. Descending Order
Enter your choice:>1

Enter the number of elements you want to enter:>7

Enter elements:
>54 78 23 65 15 63 10
Data after sorting: 10 15 23 54 63 65 78 _

```

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* * * * * SORTING OF ELEMENTS * * * * *
1. Ascending Order
2. Descending Order
Enter your choice:>2

Enter the number of elements you want to enter:>7

Enter elements:
>56 58 13 61 18 26 34
Data after sorting: 61 58 56 34 26 18 13 _

```