```cpp
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//Batch:- B2
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//Date:- 14/02/2022

#include<iostream>
using namespace std;

// Function Declarations
void Display(float *, int);
void Swap(float &, float &);
void Bubble_Sort(float *, int);

// Main Function
int main()
{
    int n; // Number of elements in the array
    float a[n]; // Array of elements
    cout<<"Enter the Number of elements: ";
    cin >> n;
    cout<<"Now Enter the elements: " << endl;
    for(int i=0; i<n; i++)
    {
        cin>>a[i];
    }
    cout << "Array before sorting: ";
    Display(a, n); // Function Call before sorting
    Bubble_Sort(a, n); // Function Call
    cout << "Array After Sorting: ";
    Display(a, n); // Function call After Sorting
}


// Swap Method Defination
void Swap(float &x, float &y)
{
```

```cpp
// Swap Method Defination
void Swap(float &x, float &y)
{
    float t;
    t = x;
    x = y;
    y = t;
}

// Display Method Defination
void Display(float *arr, int size)
{
    for(int i=0; i<size; i++)
    cout<<arr[i]<<" ";
    cout << endl;
}

// Bubble_Sort Method Definition
void Bubble_Sort(float *arr, int size)
{
    for(int i=0; i<size; i++)
    {
        for(int j=0; j<size-1; j++)
        {
            if(arr[j]>arr[j+1])
            {
                Swap(arr[j], arr[j+1]);
            }
        }
    }
}
```

PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE

```
PS C:\Users\ankit\Desktop\C> cd "c:\Users\ankit\Desktop\C\CODES\" ; if ($?) { g++ lab_experiment1.cpp -o lab_experiment1 } ; if ($?) { .\lab_experiment1 }
Enter the Number of elements: 7
Now Enter the elements:
2.2
1.1
3.2
0.5
1.9
9.2
6.3
Array before sorting: 2.2 1.1 3.2 0.5 1.9 9.2 6.3
Array After Sorting: 0.5 1.1 1.9 2.2 3.2 6.3 9.2
PS C:\Users\ankit\Desktop\C\CODES>
```

Ln 15, Col 17   Spaces: 4   UTF-8   CRLF   C++   Win32

ENG
IN

20:15
14-02-2022