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/* Answer on Question#40123 - Subject - Programming, C++ */

#include <stdio.h>
#include <stdlib.h>

int main() /* main function*/
{
    int a[] = { 5, 7, 3, 8, 6, 7, 3 }; //array init
    int n = 6, swap, d, i;

    for (i = 0; i < (n - 1); i++) //bubble sort
    {
        for (d = 0; d < n - i - 1; d++)
        {
            if (a[d] > a[d + 1]) /* For decreasing order use < */
            {
                swap = a[d];
                a[d] = a[d + 1];
                a[d + 1] = swap;
            }
        }
    }
    // print sorted array
    printf("Sorted list in ascending order:\n");
    for (int j = 0; j < n; j++)
        printf("%d\n", a[j]);

    system("pause");
    return 0;
}

```