BUBBLE SORT

```c
/*****     Program to Sort an Array using Bubble Sort     *****/

#include <stdio.h>

void bubble_sort();

int a[50], n;

main()
{
    int i;

    printf("\nEnter size of an array: ");
    scanf("%d", &n);

    printf("\nEnter elements of an array:\n");
    for(i=0; i<n; i++)
        scanf("%d", &a[i]);

    bubble_sort();

    printf("\n\nAfter sorting:\n");
    for(i=0; i<n; i++)
        printf("\n%d", a[i]);

    getch();
}

void bubble_sort()
{
    int j, k, temp;

    for(j=0; j<n; j++)
        for(k=0; k<(n-1)-j; k++)
            if(a[k] > a[k+1])
            {
                temp = a[k];
                a[k] = a[k+1];
                a[k+1] = temp;
            }
}
```