

//Sorting Algorithms

```
#include <stdio.h>

int main(void) {
    int n, i, j;

    printf("Enter number of product prices: ");
    scanf("%d", &n);
    float prices[n];
    printf("Enter %d product prices:\n", n);
    for (i = 0; i < n; i++) {
        scanf("%f", &prices[i]);
    }
    for (i = 0; i < n - 1; i++) {
        for (j = 0; j < n - i - 1; j++) {
            if (prices[j] > prices[j + 1]) {
                float temp = prices[j];
                prices[j] = prices[j + 1];
                prices[j + 1] = temp;
            }
        }
    }
    printf("\nPrices sorted by Bubble Sort:\n");
    for (i = 0; i < n; i++) {
        printf("%.2f ", prices[i]);
    }
    printf("\n");
    return 0;
}
```