

```
#include <stdio.h>
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```
void bubbleSort(int arr[], int n) {  
    int i, j, temp;  
    for (i = 0; i < n - 1; i++) {  
        for (j = 0; j < n - i - 1; j++) {  
            if (arr[j] > arr[j + 1]) {  
                // swap arr[j] and arr[j+1]  
                temp = arr[j];  
                arr[j] = arr[j + 1];  
                arr[j + 1] = temp;  
            }  
        }  
    }  
}
```

```
int main() {  
    int arr[] = {64, 34, 25, 12, 22, 11, 90};  
    int n = sizeof(arr) / sizeof(arr[0]);  
    int i;  
  
    printf("Original array: ");  
    for (i = 0; i < n; i++)  
        printf("%d ", arr[i]);  
    printf("\n");  
  
    bubbleSort(arr, n);  
  
    printf("Sorted array: ");  
    for (i = 0; i < n; i++)  
        printf("%d ", arr[i]);
```

```
printf("\n");
```

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return 0;
```

```
}
```