#include <stdio.h>

void swap(int \*xp, int \*yp)

{

int temp = \*xp;

\*xp = \*yp;

\*yp = temp;

}

void bubbleSort(int arr[], int n)

{

int i, j;

for (i = 0; i < n-1; i++)

for (j = 0; j < n-i-1; j++)

if (arr[j] > arr[j+1])

swap(&arr[j], &arr[j+1]);

}

void printArray(int arr[], int size)

{

int i;

for (i=0; i < size; i++)

printf("%d ", arr[i]);

printf("\n");

}

int main()

{

int arr[] = {64, 34, 25, 12, 22, 11, 90};

int n = sizeof(arr)/sizeof(arr[0]);

bubbleSort(arr, n);

printf("Sorted array: \n");

printArray(arr, n);

return 0;

}

