Bubble Sort

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#include <bits/stdc++.h>
using namespace std;
void swap(int *xp, int *yp)
{
	int temp = *xp;
	*xp = *yp;
	*yp = temp;
}
// A function to implement bubble sort
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++)
		cout << arr[i] << " ";
	cout << endl;
}
int main()
{
	int arr[] = {64, 34, 25, 12, 22, 11, 90};
	int n = sizeof(arr)/sizeof(arr[0]);
	bubbleSort(arr, n);
	cout<<"Sorted array: \n";
	printArray(arr, n);
	return 0;
}
```