**bubble-sort-algorithm.cpp**

//program for bubble sort algo.

#include <iostream>

using namespace std;

void bubbleSort(int arr[],int n){

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

int swaped = 0;

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

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

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

swaped = 1;

}

}

if(!swaped)break;

}

}

int main(){

int arr[] = {10,11,18,12,1,190,180,100,80,90,60};

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

bubbleSort(arr,n);

printf("Sorted Array: ");

for(int i = 0; i < n; i++){

cout << arr[i];

if(i != n-1){

cout << " ";

}

}

return 0;

}

**OUTPUT**

PS S:\WorkSpace\CollegeWork\DataStructure\Temp> g++ .\bubble-sort-algorithm.cpp

PS S:\WorkSpace\CollegeWork\DataStructure\Temp> ./a

Sorted Array: 1 10 11 12 18 60 80 90 100 180 190

PS S:\WorkSpace\CollegeWork\DataStructure\Temp>