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>
```