

we have used bubble sort in (a) and heap sort in (b). As we can see, inputs are the same. But, output is different. Again, each of sort is sort by the basis of priority. But, when it comes to same priority, bubble sort sort ABC 1st and heap sort sort EWA 1st. This is because of instability heap sort doesn't follow the sequences or order. On the other hand, bubble sort follows that because bubble sort is stable. That's the main reason behind why the output is different.