

Swap index values since 5 > 2

We Skip 5 and 8 since 8 > 5 so no swap is need and we move onto 8 and 1 We see 8 > 1 so we swap index values

We Skip 8 and 9 since 9 > 8 so no swap is needed and we complete our first loop through

We skip 2 and 5 since 5 > 2 and we move to 5 and 1 since 5 > 1 we need to swap the index values

We continue to loop through the array and check for values that need to be swapped and we don't see any since 5 < 8 < 9 is in order so no swapping is needed

We see in our 3rd loop that we have 2 and 1 and since 2 > 1 we need to swap index values and check for any other swap cases

We see that after the above swap all the values in the array are sorted 1 < 2 < 5 < 8 < 9