

my_vec = [2, 8, 5, 3, 9, 4, 1] \rightarrow size of 7

#1: Start from beginning
[2, 8, 5, 3, 4, 1, 9] $i=1$
 $j=0$

#2: [2, 8, 5, 4, 1, 9, 3] $i=2$
 $j=1$

#3: [2, 3, 4, 1, 5, 9, 8] $i=3$
 $j=2$

#4: [2, 3, 1, 4, 5, 8, 9] $i=4$
 $j=3$

#5: [2, 1, 3, 4, 5, 8, 9] $i=5$
 $j=4$

#6: [1, 2, 3, 4, 5, 8, 9] $i=6$
 $j=5$

\rightarrow starts @ 1 because it is used for counting which iteration we are on, not indexing

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for (int i = 1; i < vec.size(); i++)  
    for (int j = 0; j < vec.size() - i; j++)  
        if (my_vec[j] > my_vec[j+1])  
            swap  
        else  
            nada
```