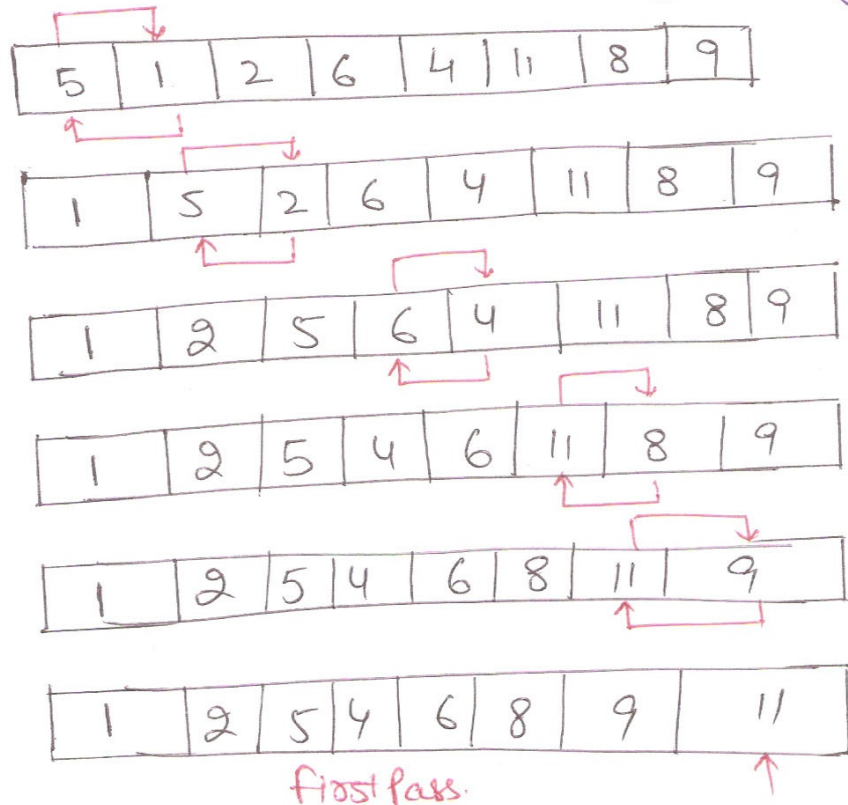


## Bubble Sort

- It is Comparison based algorithm in which each pair of adjacent element is compared and elements are swapped if they are in not in order.
- Therefore, after the first pass, the largest element in the array will have bubbled up to one end of the array.



Element 11 the largest has bubbled up to the end of array.  
Now same process will be applied until we get sorted list.

- \* How to decide that array has been sorted.
- For this we check whether or not any exchanges have been made in the current pass.
- If yes then array is not sorted, and if no then array has been sorted.
- For this we will use flag set to true if exchange is made during pass.



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