Implementation of Selection Sort

The selection sort improves on the bubble sort by making only one exchange for every pass through the list. In order to do this, a selection sort looks for the largest value as it makes a pass and, after completing the pass, places it in the proper location. As with a bubble sort, after the first pass, the largest item is in the correct place. After the second pass, the next largest is in place. This process continues and requires n-1 passes to sort n items, since the final item must be in place after the (n-1) st pass.

Resources for Review

Check out the resources below for a review of Selection sort!

- Wikipedia
- Visual Algo
- Animation
- Sorting Algorithms Animcation with Pseudocode

```
In [2]: arr = [3,5,2,7,6,8,12,40,21]
selection_sort(arr)
arr
```

Out[2]: [2, 3, 5, 6, 7, 8, 12, 21, 40]

Good Job!