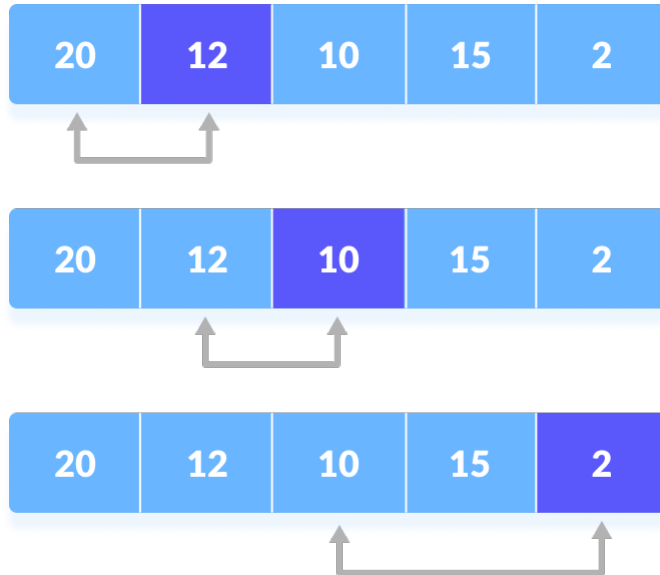


# GSET: Programming - Lab 8

## Sorting Algorithms - Selection Sort and Bubble Sort

Assignment :



Write a program to do the following:

1. Create an array of 10 random integers.
2. Sort the array using an algorithm of your choice into *greatest to least* order. You will need to describe the algorithm you used in your summary.
3. Show the sorted array and the original unsorted array. To do this you must make a copy before you sort.
4. Once you have it working change the array to 100 random integers and verify that it still works.
5. Bonus: Compare the performance of the two algorithms by timing how long the sorting process takes for each. You can use *clock* or *tic-toc*. Be sure to start with the same unsorted array for both methods.