REFERENCES:

For Assignment 3:

* Quick Sort (Choice of Pivot): [https://en.wikipedia.org/wiki/Quicksort#Choice\_of\_pivot](https://en.wikipedia.org/wiki/Quicksort" \l "Choice_of_pivot)
* Inversions in an array: <http://stackoverflow.com/questions/337664/counting-inversions-in-an-array>

For Assignment 4:

* Online Algorithm: <https://en.wikipedia.org/wiki/Online_algorithm>
* Doubly Linked List: <https://en.wikipedia.org/wiki/Doubly_linked_list>
* Insertion Sort: <https://en.wikipedia.org/wiki/Insertion_sort>
* Linked List Basics: <http://cslibrary.stanford.edu/103/LinkedListBasics.pdf>
* Problem in scanning character in C: <http://stackoverflow.com/questions/5109512/problem-in-scanning-character-in-c>
* Check if user inputs a letter or a number: <http://stackoverflow.com/questions/1478932/check-if-user-inputs-a-letter-or-number-in-c>
* Doubly Linked List implementation in C: <https://gist.github.com/mycodeschool/7429492>
* Sorting a doubly linked list in C: <http://www.dreamincode.net/forums/topic/311744-sorting-a-doubly-linked-list-in-c/>
* Error when defining a struct: <http://stackoverflow.com/questions/18544714/error-when-defining-a-struct>
* What the following line of code with malloc does: <http://stackoverflow.com/questions/18935943/what-the-following-line-of-code-with-malloc-does>
* Doubly Linked Lists and Array of Linked Lists: <https://www.cs.cmu.edu/~guna/15-123S11/Lectures/Lecture11.pdf>
* Function to delete the entire linked list: <http://www.geeksforgeeks.org/write-a-function-to-delete-a-linked-list/>
* Implementation of Doubly linked list program in C: <https://www.tutorialspoint.com/data_structures_algorithms/doubly_linked_list_program_in_c.htm>
* Is it necessary to call pointer = NULL when initializing?: <http://stackoverflow.com/questions/12253191/is-it-necessary-to-call-pointer-null-when-initializing>
* Deleting a node in a Doubly Linked List: <http://www.geeksforgeeks.org/delete-a-node-in-a-doubly-linked-list/>
* Online C compiler and executor: <https://www.codechef.com/ide>