PROLOGUE

FOR ALL ASSIGNMENTS

- **Attach a *prologue* for all assignments.**
- **Use sample *prologue* sheet in the course material, customize it for every assignment.**
- ***Prologue* makes it easy to separate assignments for grading purpose.**

EXERCISE 11

PROBLEM

Read the following numbers from input file as integers in the same order.

49, 17, 56, 85, 12, 97, 33, 71, 19, 62, 38, 84, 51,

29, 77, 65, 44, 99, 4, 47, 67, 41, 23, 88, 73, 8, 10,

100, 25, 91, 58, 45, 22, 15, 35, 95, 60, 20, 7, 50

Form a linked list with the input numbers from a file. Using a list structure read the numbers and form a linear linked list, print the list elements after populating in the original order. Reverse the original linked list and print the reversed list. Prompt the user to enter an integer to be deleted from the nodes and maintain the list. Do not use the buffer or another input file to contain the numbers to be deleted. Quit removing elements when user intends to do so. Print prompting the user and the input receiving along with the result.

User intends to delete the following valid and invalid numbers one at time:

71, 51, 38, 5, 0, 25, 42, 32 and 47 print the list after removing elements.

DELIVERABLES

Write the prolog and fill up all information for this exercise as given in the sample. Submit the source code, input and the output files. The program is expected to be well commented. Place your program as soft copy on assigned shared drive for students of this course.

DUE DATES

Assignments are due on the following week after completing the chapter discussion.