

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 12

PROBLEM

Four simple sort routines (Bubble sort, insertion sort, shell sort, and selection sort) are discussed in the course. Call the sort routines through the main routine with a menu. Again call one of the advanced sort options (Quicksort, Heapsort, Megersort). User will pick one among the choice sort routines from simple sorts and one from the advanced sort options.

Read input from an input file directly as integers:

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, 100,
25, 91, 58, 59, 22, 15, 35, 95, 60, 20, 7, 50, 10

Implement one of the above sort routines and show the results of the sort in the output. Print the sorted output file for simple sort and advanced sort.

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.