SAMPLE PROLOGUE

PROLOGUE SAMPLE

```
/*****************************************************/
/****************       prologue        ***************/
/*                                                    */
/*    University of California Extension, Santa Cruz  */
/*                                                    */
/*             Advanced C Programming                 */
/*                                                    */
/*    Instructor: Rajainder A. Yeldandi               */
/*                                                    */
/*    Author: Student Name                            */
/*                                                    */
/*    Assignment Number: n                            */
/*                                                    */
/*                                                    */
/*    Topic: Chapter or topic name (like: Binary Trees) */
/*                                                    */
/*    file name: name of the file                     */
/*                                                    */
/*    Date: Date of the program                       */
/*                                                    */
/*    Objective:  Write the purpose of the program.   */
/*                                                    */
/*    Comments: Write your comments or questions in red */
/*****************************************************/
```

```
/**********************************************/
/*   PROGRAM ELEMENTS:                         */
/*            preprocessor directives          */
/*                                             */
/*                                             */
/*            function prototypes              */
/*                                             */
/*                                             */
/*            Global definitions               */
/*                                             */
/*                                             */
/*            comments above the functions     */
/*                                             */
/*                                             */
/*                                             */
/*            comments above each              */
/*            major block of code              */
/*                                             */
/*                                             */
/*                                             */
/*                                             */
/**********************************************/
```

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 3

AFTER CHAPTER – 6

PROBLEM:

Read the input into an array from standard input as integer.

14, 17, 56, 85, 22, 97, 33, 71, 19, 62, 38, 44, 51, 29, 77, 65, 40, 99, 4, 47, 67, 41, 23, 81, 73, 8, 100, 35, 91, 58, 59, 25, 15, 38, 95, 60, 20, 7, 50, 10

Print the array in the original form.

Print the array in a reversed order. Print the array after sorting in ascending order.

Identify the indices of the array for the following numbers. Prompt the user to give one number (as below) and your program will give the index (subscript) of each of these numbers one at a time where it is located in the array with some text response.

47, 71, 5, 58, 95, 22 , 61, 0 and 47

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. 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.