Program Requirements

1. For each program module (function), describe/define each variable used in that module. Variable names must be descriptive. Separate variable definitions from variable descriptions. Use the following form for this description:

    variable declared;   // variable description in English sentence(s)

2. Do not use global variables in your programs.

3. Properly indent all code according to descriptions given in "Indent C Programs" (http://www.cs.arizona.edu/~mccann/indent_c.html). You must be consistent in the number of spaces/tabs used for indentation.

4. To improve readability, use a moderate amount of white space, i.e., insert blank lines between blocks of code, and between different modules/functions.

5. Comments need to be written for each logically related block of code. This include a while or for loop, an if decision statement, a switch statement, a group of statements that compute a value, a block of code that read in user data, a group of statements that displays output, etc.

6. For each user defined function, comments need to be written above the function describing:
    o What does this function do?
    o What are the expected input values?
    o What are the expected return values?

7. Write separate user defined functions for different tasks. Strive to have less than 25 lines of code per function.

8. Programs with syntax error, have compilation error, will not be graded.