

General Instructions:

This is an open book project. You may receive assistance or help from anyone, including me, regarding the **concepts only**. Therefore, you must do your own work on the program solution and not utilize anyone else with your code development. If you are approached by another student to supply him or her with your solution, you must decline their request. When you have finished, you must zip your solution into a zip folder that includes the files described below and upload the folder via the Canvas upload feature.

You have four (4) days to complete this assignment. Do not wait until the last day to start your work!

Do the following two problems from *Programming Challenges* at the end of Chapter 2 of the textbook. The problems and page numbers are from 7th edition of textbook for this class. If you do not have this edition, you need to refer to it to make sure you are attempting the correct problems.

Chapter 2: Problem 7: *Miles per Gallon* (page 72) 10 points

Chapter 2: Problem #13: *Pay Period Gross Pay* (page 73) 10 points

Comment your code to include: (1) Course Name, Program Name, File Name, Date, Programmer Name, and Program Description (Refer to the practice Project #1 description for the file comment header), and (2) General comments throughout the source code.

Submit a separate Zip folder for **each** solution (**LastnameProject2A.zip** and **LastnameProject2B.zip**) that includes the following files using the Canvas Assignment upload feature:

- **Source Code file (*.cpp) and Executable file (*.exe).** You do **not** need to include any additional project files.
- **A text file or word document containing of sample runs.** This should convince me that your program works even before I run it. **Annotate** to explain what the different cases you show are illustrating. Do **not** upload screenshots of the command windows. Instead, copy the output from the command window and paste in to a document file, see instructions, below.
- **A short summary of your work**
 1. What does or doesn't work and why
 2. Any additional functionality reasons or excuses for missing functionality.
 3. What you learned and what you found difficult or unclear about the problem.
- Please combine all summaries and samples into a **single** document.

To copy the text in the command window, place the cursor inside the command window and right-click to expose the shortcut menu. Click on the "Select All" selection, then press the enter key. This will copy the text in the window to the clipboard. Open your editor and make sure that the paragraph selections are set for: 1) Single line spacing, and 2) No spacing before or after (the paragraph). Then simply paste into your document at the desired location.