

5 Points Possible**Due: February 8, 2010 at 11:00pm.**

Problem: Write a program that will calculate your grade in CS 158 given the scores seen in the example executions below as input.

Additional Requirements:

- DO NOT use any material found outside of the first three chapters of the C text. UTILIZING ANY SELECTION CONSTRUCTS (Chapter 5) WILL RESULT IN A **ZERO** FOR THIS ASSIGNMENT.
- Make good use of symbolic constants.
- Accept input and produce output exactly as seen in the example executions below.
- Midterm and Final Exam scores will be integer values, all other values may be floating-point data.
- You will find the cutoffs for each letter grade in your course packet.

Example Execution #1:

```
Enter homework total: 30.4
Enter lab total: 52.8
Enter midterm #1 score: 75
Enter midterm #2 score: 78
Enter final exam score: 99
Enter lecture quiz total: 8
Enter lab quiz total: 48.8
```

```
-----
--- CS 158  Grades ---
-----
Individual Assignments
-----
Homework:          30.4
Lab Quiz:           48.8
Lecture Quiz:      8.0
Exam Total:         252
-----
- Group Assignments -
-----
Lab Tasks:          52.8
-----
Course Total:       392.0
-----
Course Grade:       C
```

Example Execution #2:

```
Enter homework total: 29.7
Enter lab total: 55.5
Enter midterm #1 score: 72
Enter midterm #2 score: 78
Enter final exam score: 111
Enter lecture quiz total: 48
Enter lab quiz total: 48.1
```

```
-----
--- CS 158  Grades ---
-----
Individual Assignments
-----
Homework:          29.7
Lab Quiz:           48.1
Lecture Quiz:      48.0
Exam Total:         261
-----
- Group Assignments -
-----
Lab Tasks:          55.5
-----
Course Total:       442.3
-----
Course Grade:       B
```

Here are a few of the course standards to remember:

1. Include the head_hw header on top of your assignment (found in your CS158 directory).
2. Indent all code found inside of the *main* function two spaces.
3. Place a space between all operators and operands.
4. Comment all variables (ALL VARIABLES) to the right of where they are defined.

Your program must **compile** and produce output identically to that seen above. If you are having issues with using the text editor, compiler, or submit script please seek assistance BEFORE your assignment is due. We can only grade what you submit. **A program that does not compile or was not submitted as expected will not be considered for partial credit.**

Additional Reminders:

- Office hours can be found in your course packet.
- DO NOT send e-mail for assistance. Take the time to visit course staff in person.
- Teaching Assistants are available in SC 189 Sunday through Thursday evenings from 7-9pm.
- You are advised to bring your notes packet, your book, and this assignment with you when seeking help.

When you submit... only the last attempt of a submission is kept for grading. All other submissions are overwritten and cannot be recovered. You may make multiple submissions but only the last attempt is retained and graded.

Assignment deadlines... are firm and the electronic submission will disable promptly as advertised. We can only grade what you submit as expected prior to the assignment deadline. Be sure to leave enough time to seek assistance should you experience difficulties when making your final submission.

No late work accepted! All course programming and documentation standards are in effect for this and each assignment this semester.
