Due Date: <u>Monday 27 January 2014 11:59 PM MST</u>
Note: If you submit after the due date (but before the hard deadline), your submission score will be penalized by 20%.

Hard Deadline: <u>Wednesday 29 January 2014 11:59 PM MST</u>
Note: If you submit any time after the hard deadline, you will not receive credit.

Problem 01 (15 points)

Create a structure called time. Its three members, all type int, should be called hours, minutes, and seconds. Write a program that prompts the user to enter a time value in hours, minutes, and seconds. This can be in 12:59:59 format, or each number can be entered at a separate prompt ("Enter hours:", and so forth). The program should then store the time in a variable of type struct time, and finally print out the total number of seconds represented by this time value:

```
long totalsecs = t1.hours*3600 + t1.minutes*60 + t1.seconds
```

Problem 02 (15 points)

A player rolls two dice. Each die has six faces. These faces contain 1, 2, 3, 4, 5 and 6 spots. After the dice have come to rest, the sum of the spots on the two upward faces is calculated. If the sum is 7 or 11 on the first roll, the player wins. If the sum is 2, 3 or 12 on the first roll (called "craps"), the player loses (i.e., the "house" wins). If the sum is 4, 5, 6, 8, 9 or 10 on the first roll, then that sum becomes the player's "point." To win, you must continue rolling the dice until you "make your point." The player loses by rolling a 7 before making the point. You are given a cpp file named **Homework02P02.cpp** to start with. What you need to do is to provide statements for the TODO parts to complete the program.