***Project 2 - Due October 18, 2012***

***Obstacles***

While working on the project, there were no major issues that I ran into. After writing the code, I ran into two small problems.

The first problem I encountered was that the program would not ask for expense or premium, even though I used the getline and ignore methods. It turned out that I had initialized salesPrice and expense variables as integers, and when I input a double, the program would stop running.

The second problem was that a debug error, where the variable, 'royalties', was being used without being initialized. This was a simple issue, as I had just forgot to give the variable royalties a starting value. After initializing royalties to zero, the program ran as planned.

***Test Data***

Negative amount of units (-458, Iron Man 2, 14.98, 8.83, y): The number of units sold must be nonnegative.

Using an empty string for title (458, (*Put nothing)*, 14.98, 8.83, y): You must enter a title.

Having a negative expense (458, Iron Man 2, 14.98, -8.83, y): The expense must be nonnegative.

Sales price being less than expense (458, Iron Man 2, 14.98, 18.83, y): The sales price must not be less than the expense.

Premium status not y or n (458, Iron Man 2, 14.98, 8.83, a): You must enter y or n.

Given example of Iron Man 2 to see if valid inputs would print the correct line (458, Iron Man 2, 14.98, 8.83, y): Iron Man 2 earned $283.64 in royalties.

*Checked other numbers combinations and premium choices to ensure that outputs would be accurate:*

Check a movie with nonsense name (458, \_\_321\_ \_0-#, 14.98, 8.83, y)

Check a movie at 1000 (1000, Up, 20.45, 6.75, n)

Check a movie without royalty (750, Up, 20.45, 6.75, n)

Check a movie with royalty (750, Up, 20.45, 6.75, y)

Check a movie with 300 sold (300, Up, 10, 5, y)

Check a movie with 301 sold (301, Up, 10, 5, y)

Check a movie for past 1000 without royalties (2500, Up, 10, 5, n)

Check a movie for past 1000 with royalties (2500, Up, 10, 5, y)