CPS 210 Lab 7

PROBLEMS

1. Finish lab 6 from last week if you did not finish. After, complete the questions below.
2. Use a while or for loop for the question below:

   (*Sum a series*) Write a program to sum the following series:

$$\frac{1}{3} + \frac{3}{5} + \frac{5}{7} + \frac{7}{9} + \frac{9}{11} + \frac{11}{13} + \cdots + \frac{95}{97} + \frac{97}{99}$$

3. Count the number of even integers between 15 and an integer given by a user via Scanner. The integer given by the user must be greater than 15. If the user tries entering a number that is 15 or less, have the user try again until they enter a valid number. Display the count. **HINT**: Use a while loop.
4. Declare and initialize two integers of your choosing. Ask the user to enter what the sum of those two numbers are. If they enter the correct answer, display, "Great job!". If they enter a wrong answer, have them try again. They only have three tries to enter the correct answer. If they run out of chances, end the program. See the sample run below:

```
What is 25 + 34? 56
Incorrect. You have 2 more chance(s).
What is 25 + 34? 34
Incorrect. You have 1 more chance(s).
What is 25 + 34? 21
:( Sorry! You ran out of chances. The answer was 59!
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