CMPSCI 182 – Project 3
Recursion as a Problem-Solving Technique
30 points total
Due 10/23/17

1. (20 points) Complete the program that solves the Eight Queens problem (pages 318 through 320). The program's output should look similar to:

1	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0
0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1
0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0
0	0	0	0	0	1	0	0
0	0	1	0	0	0	0	0

2. (10 points) Design and implement a class called PostfixCalculator. Use the algorithm given on page 374 to evaluate postfix expressions, as entered into the calculator. Use only the operators **+**, **-**, *****, **%**, and **/**. Assume that the postfix expressions have *single digit numbers* in the expression and are syntactically correct. This means that the expressions will have already been converted into correct postfix form. The PostfixCalculator should *not* convert from infix to postfix form. In order to test the PostfixCalculator, it will be necessary to *manually* convert your test expressions into postfix form before entering them into the PostfixCalculator.

When you have completed both programs, ZIP the entire Project 3 folder into a single ZIP file and submit this ZIP file via Canvas.