## **CSC 220 – Lab 13**

## **Objective**

In this lab, you are going to implement a program based on the given recursive definition.

## Java programs:

Modify the method that calculates the sum of the integers between 1 and N shown in slides. Have the new version named Sum. java match the following recursive definition: The sum of 1 to N is the sum of 1 to N plus the sum of N to N. Use your program to trace your solution with an N of 7. Then take a screen shot of the trace and keep the file in your Lab 13 folder. Your program should ask user to input a number N and calculate the sum of 1 to N. Exceptions should be handled properly.

## What to turn in:

JAR your \*.java and the screen shot files into a file called Lab13.jar. When you're done, submit the file to Canvas by the deadline. No extensions.