**CSCI 3230 Final Exam**

1. Submit your code to LiveLab (URL: livelab.georgiasouthern.edu/JavaLiveLab2020) under PFinal1

(15 pts) (*Binary to decimal*) Write a recursive method that parses a binary number as a string into a decimal integer. The method header is:

**public static int** bin2Dec(String binaryString)

Write a test program that prompts the user to enter a binary string and displays its decimal equivalent.

Here is a sample run:

<Sample Run>

Enter a binary string: 1111

Binary 1111 is decimal 15

</Sample Run>

2. (15 pts) Submit your code to LiveLab (URL: livelab.georgiasouthern.edu/JavaLiveLab2020) under PFinal2

Add the following new method in the BST class:

/\*\* Return the max value in the BST.

Returns null if the tree is empty. \*/

**public** **E** getMax()

Use <https://liveexample.pearsoncmg.com/test/PFinal2.txt> to test your code.