

Lab 9
CSCI232
Assignment due 11/6, at 11:30pm
Work alone

Purpose: To understand red black trees

1. Do Not Program: Construct the red-black tree for D E S I G N C O D E T E S T (remember, no duplicates). Show your work as you add.
2. Program: To ensure you got it right, change the code to print out the full tree after every put (to include key and color). You will have a print of the tree for every insert (but you may have drawn multiple trees to get the rotations/color flips right).
3. You must attend lab for this one: Show your TA that you can print the information called for in program 2 (for the key and value) from 1 line of input (from the classes input file).

Due: Wednesday, 11/6 at 11:30pm

Submission You will submit the source file (remember just the changed method(s) and output for question 2). For 1 write up your answers and submit to brightspace – either a picture or scan of your handwritten answer or a file from the computer. (Do not turn anything in to the TAs). For question 3 – the TAs will check off on their attendance sheet that you showed them the required progress on program 2.

Rubric:

1. — 8 pts (4 pts for showing work, 4 pts for correct trees with proper color for each node)
2. – 4 pts (4 pts for providing code and output that matches item 1)
3. – 8 pts (for showing TA that you have progressed to the proper place in developing program 2)