

## Assignment 15

1. Implement in pseudo code the overriding hook methods of the EulerTour template method so it calculates the height of a binary tree. The pseudo code template for the EulerTour is on slide 22 of Lesson 5 on trees (the JavaScript is on slide 23).
2. Implement in pseudo code the overriding methods of the EulerTour template method so it calculates the black height of a Red-Black tree.
3. Using the provided JavaScript file provided, implement the EulerTour template methods so it calculates the height of a binary tree. Use the Height class provided, but you will need to add the code needed in that class. Do this based on the pseudo code in #1 above.
4. Similarly, implement necessary methods, using the EulerTour template and the BlackHeight class provided, to calculate the black height of a Red-Black tree as done in 2 above. Note that the black height does not include the red nodes when calculating the height so the black height will be the height of the corresponding (2-4) tree.