CSCI 2720 - Grading Rubric for Project 2

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| Input File | Test Case | Grading Criteria | Points |
| insertOnlyTest.txt |
| 2 | Number nodes | 10 |
| 3 | Height | 10 |
| 4 | Pre-order traversal | 10 |
| 5 | In-order traversal | 10 |
| 6 | Post-order traversal | 10 |
| 7 | Level-order traversal | 10 |
| insertDeleteTest.txt | 8 | Number nodes | 5 |
| 9 | Height | 10 |
| 10 | Correct output from all of the 4 traversals | 15 |
|  | | Programming style, commented code, following directions, etc. | 10 |
| Extra Credit | 20 |
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| Test cases are graded on a pass/fail basis. To pass a test case, your program’s output must be 100% correct; otherwise the test case is failed. No points are awarded for failing a test case. | | | |

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| **insertOnlyTest.txt** | |
| Input | Correct Output |
| insert 7  insert 9  insert 15  insert 18  insert 28  insert 10  insert 12  insert 5  insert 2  insert 0  insert 6  insert 8  insert 4  insert -1 | Number of nodes in the bst: 14  Height of the bst: 4  Pre-order traversal:  7 5 2 0 -1 4 6 9 8 15 10 12 18 28  In-order traversal:  -1 0 2 4 5 6 7 8 9 10 12 15 18 28  Post-order traversal:  -1 0 4 2 6 5 8 12 10 28 18 15 9 7  Level-order traversal:  7 5 9 2 6 8 15 0 4 10 18 -1 12 28  Extra credit tree visualization:  7  5 9  2 6 8 15  0 4 10 18  -1 12 28 |
|  | |
| **insertDeleteTest.txt** | |
| Input | Correct Output |
| insert 7  insert 9  insert 15  insert 18  insert 28  insert 10  insert 12  insert 5  insert 2  insert 0  insert 6  insert 8  insert 4  insert -1  delete 28  delete 0  delete 9 | Number of nodes in the bst: 11  Height of the bst: 3  Pre-order traversal:  7 5 2 -1 4 6 10 8 15 12 18  In-order traversal:  -1 2 4 5 6 7 8 10 12 15 18  Post-order traversal:  -1 4 2 6 5 8 12 18 15 10 7  Level-order traversal:  7 5 10 2 6 8 15 -1 4 12 18  Extra credit tree visualization:  7  5 10  2 6 8 15  -1 4 12 18 |