```
Terminal - mreiff@starship:~/Documents/CPE360-2021S/exams/exam2

[mreiff@starship exam2]$ ./a.out
Added 30 to the BST
Added 15 to the BST
Added 60 to the BST
Added 7 to the BST
Added 22 to the BST
Added 17 to the BST
Added 27 to the BST
Added 45 to the BST
Added 75 to the BST
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
7
The height of the tree is 4
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
h
[mreiff@starship exam2]$
```

```
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Added 30 to the BST
Added 15 to the BST
Added 60 to the BST
Added 7 to the BST
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Added 27 to the BST
Added 45 to the BST
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Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
8
You just deleted the entire tree!
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
2
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Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
z
[mreiff@starship exam2]$
```

```
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Added 30 to the BST
Added 15 to the BST
Added 60 to the BST
Added 7 to the BST
Added 22 to the BST
Added 17 to the BST
Added 27 to the BST
Added 45 to the BST
Added 75 to the BST
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
9
The smallest value in the tree is: 7
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
10
The largest value in the tree is: 75
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
x
[mreiff@starship exam2]$
```

```
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Added 30 to the BST
Added 15 to the BST
Added 60 to the BST
Added 7 to the BST
Added 22 to the BST
Added 17 to the BST
Added 27 to the BST
Added 45 to the BST
Added 75 to the BST
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
11
The tree is balanced!
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
s
[mreiff@starship exam2]$
```

```
[mreiff@starship exam2]$ ./a.out
Added 30 to the BST
Added 15 to the BST
Added 60 to the BST
Added 7 to the BST
Added 22 to the BST
Added 17 to the BST
Added 27 to the BST
Added 45 to the BST
Added 75 to the BST
Added 100 to the BST
Added 200 to the BST
Added 250 to the BST
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
11
The tree is not balanced!
Press 1 to add a value
Press 2 for preOrder
Press 3 for postOrder
Press 4 for inOrder
Press 5 for search
Press 6 to delete
Press 7 to get the height of the tree
Press 8 to delete the entire tree
Press 9 for the min value
Press 10 for the max value
Press 11 to see if the tree is balanced
Press any other key to exit
s
[mreiff@starship exam2]$
```