PRAC-5

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| **DSATreeNode** |
| - \_value: Object  - \_key: Int  - \_leftChild: DSATreeNode  - \_rightChild: DSATreeNode |
| + getKey(): int  + getValue(): object  + getLeft(): DSATreeNode  + getRight(): DSATreeNode  + setLeft(DSATreeNode): None  + setRight(DSATreeNode): None |

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| **DSABinarySearchTree** |
| - \_root: DSATreeNode |
| - findRec(int key, DSATreeNode CurrNd): Object  + find (int key): object  - insertRec(int key, Object value, DSATreeNode currNd): DSATreeNode  + insert(int key, Object value): None  - promoteSuccessor(DSATreeNode node): DSATreeNode  - deleteNode(int key, DSATreeNode node): DSATreeNode  - deleteRec(int key, DSATreeNode node): DSATreeNode  + delete(int key): None  + display(str tType): None  - heightRec(DSATreeNode currNd): int  + height(): int  + minKey(): int  + maxKey(): int  - ﻿inOrderTraversal(DSATreeNode node, DSAQueue tQ): DSAQueue  - ﻿postTraversal(DSATreeNode node, DSAQueue tQ): DSAQueue  - ﻿preTraversal(DSATreeNode node, DSAQueue tQ): DSAQueue  + balance(): float  + serialize(str name): None  + writeCSV(str name, str order): None |

0..\* 0..\*

1..1 1..1

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| **TestHarness** |  | **BSTIO** |
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| + main() |  | + main() |