

SECOND YEAR B. TECH THIRD SEMESTER
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

PROJECT REPORT (OOPs)

BST Visualizer

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Indian Institute of Information Technology, Nagpur
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OBJECTIVE

To study and visualize Binary Search Tree.

BACKGROUND OF PROJECT

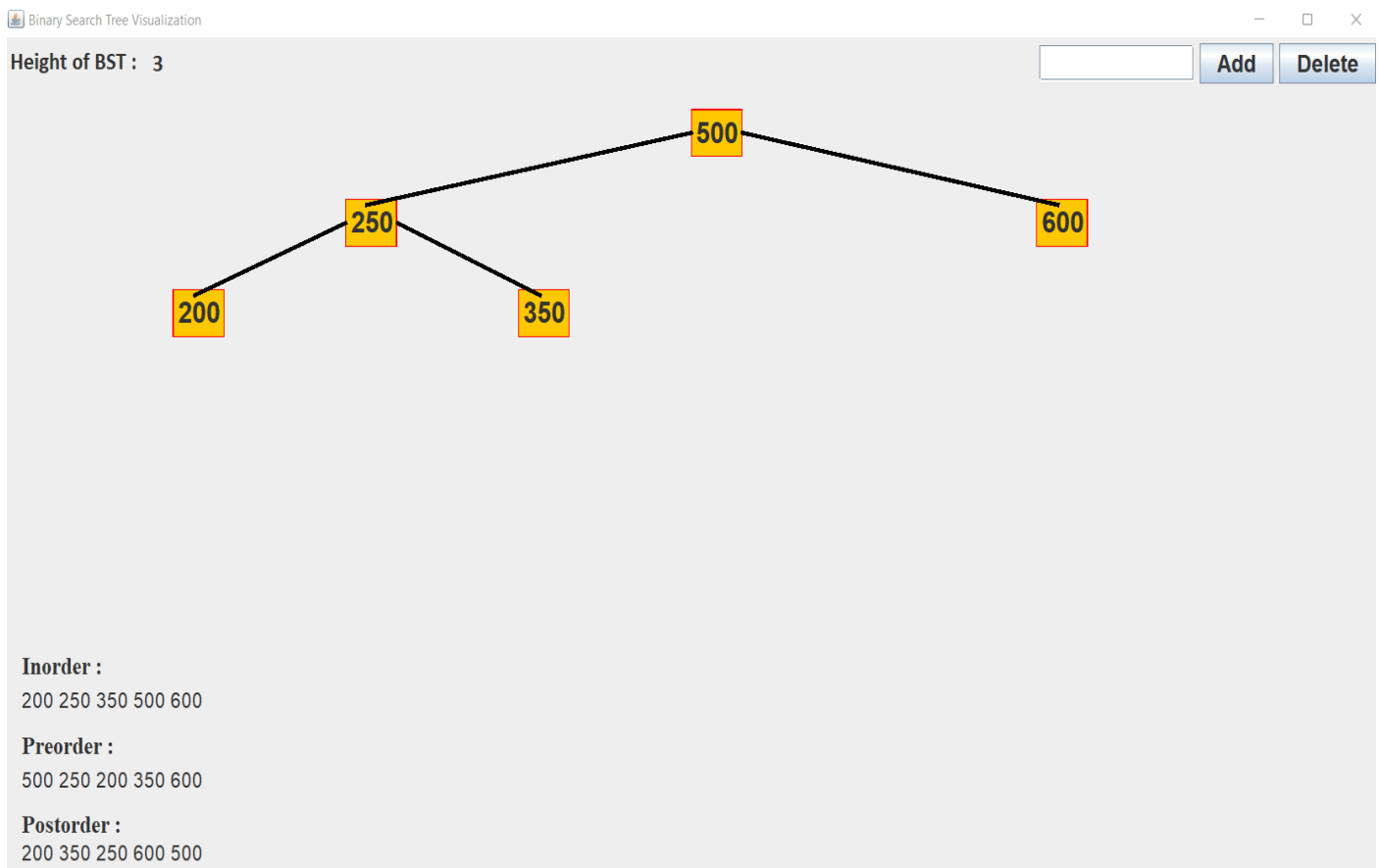
- To visualize Binary Search Tree through real-life demonstration using GUI.
- To add data into Binary Search Tree
- To delete data from Binary Search Tree
- Representation of Binary Search Tree in form of various traversal techniques like inorder traversal, postorder traversal, etc
- To view the height of Binary Search Tree

METHODOLOGY

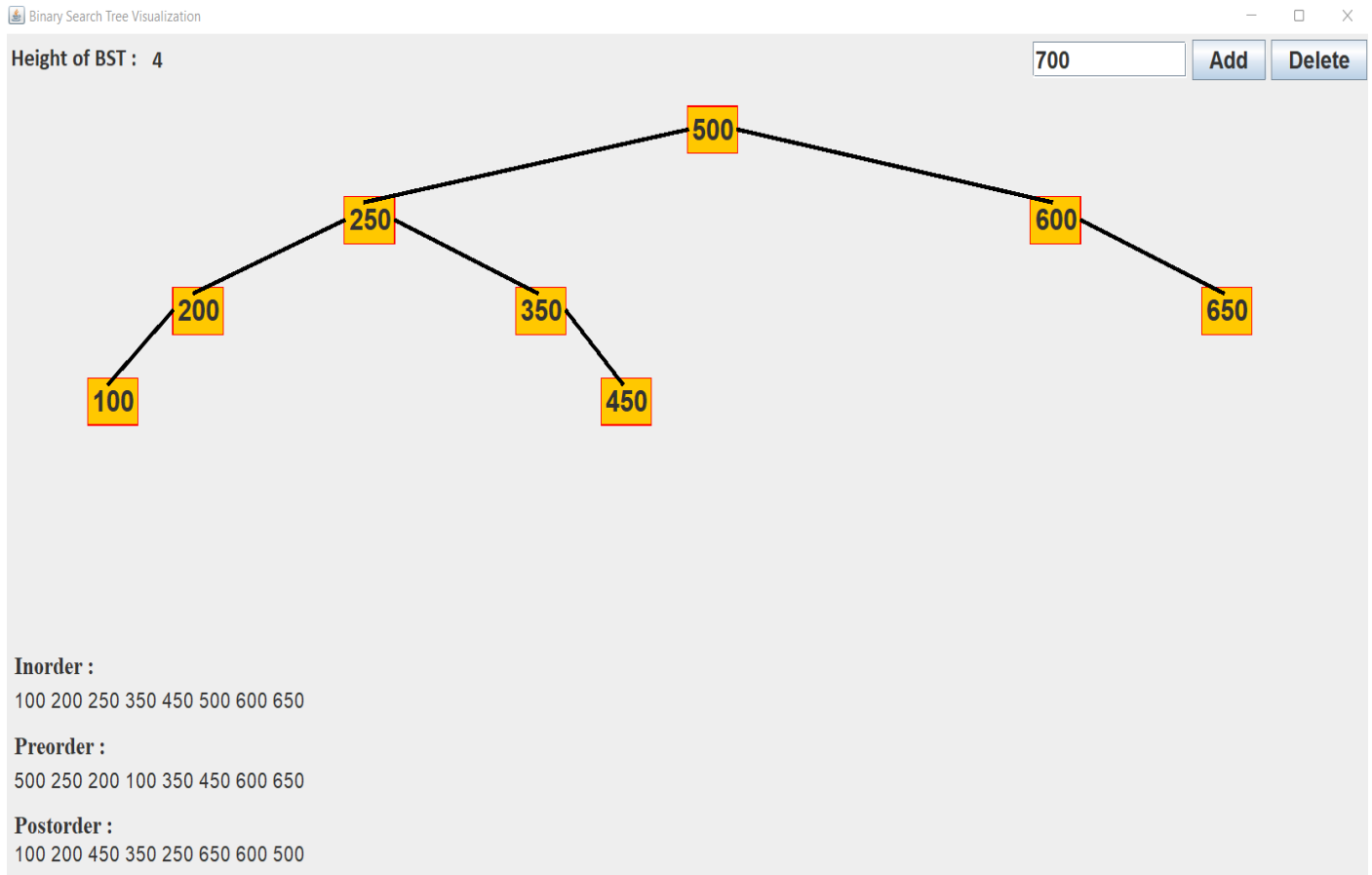
- Object Oriented Programming
- JFrames
- Binary Search Tree (Data Structure)

EXECUTION

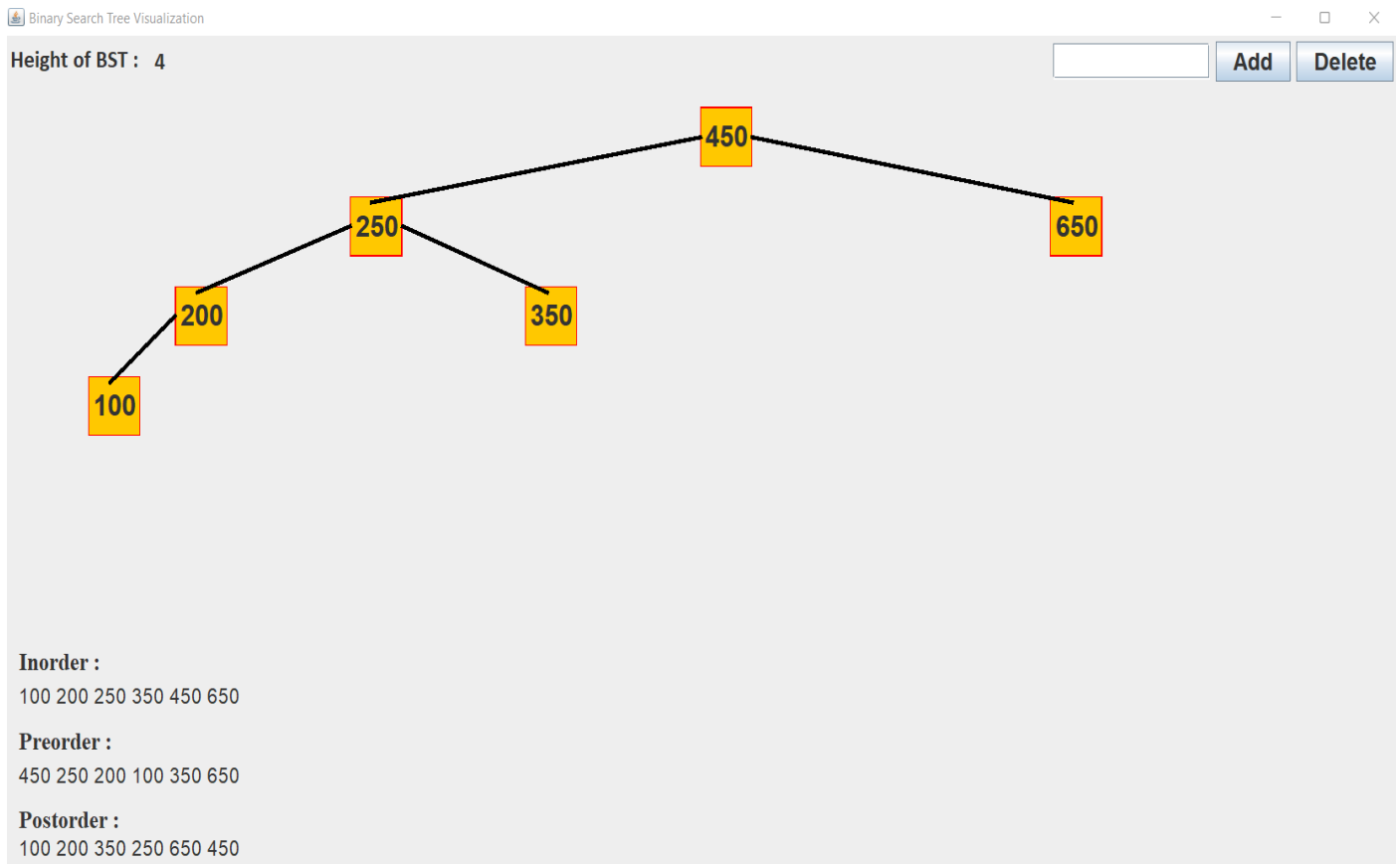
- Initial Representation of BST in GUI



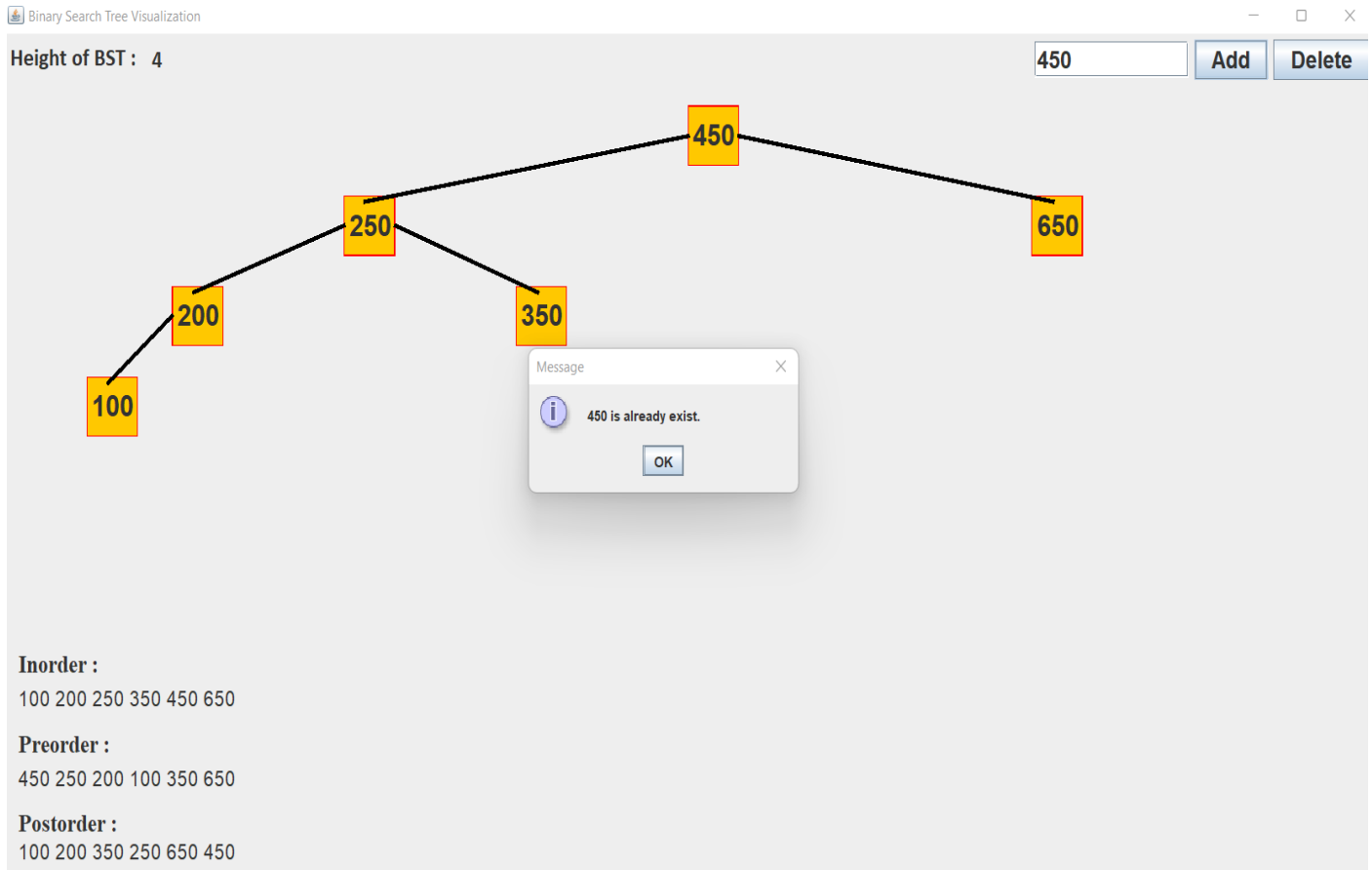
- After **INSERTION** of some elements in BST



- After **DELETION** of some elements in BST



- **ERROR MESSAGE** when the data to be inserted in BST already exists



- **ERROR MESSAGE** when the data to be inserted is a special character

