FINAL ASSINGMENT

Doubly Linked List

- *Write a program to delete the first node in a doubly linked list.*
- *How can you delete the last node in a doubly linked list? Write the code.*
- *Write code to delete a node by its value in a doubly linked list.*
- *How would you delete a node at a specific position in a doubly linked list? Show it in code.*
- *After deleting a node, how will you write the forward and reverse traversal functions?*

Circular Linked List

- *Write a program to delete the first node in a circular linked list.*
- *How can you delete the last node in a circular linked list? Write the code.*
- *Write a function to delete a node by its value in a circular linked list.*
- *How will you delete a node at a specific position in a circular linked list? Write code for it.*
- *Write a program to show forward traversal after deleting a node in a circular linked list.*

Binary Search Tree

- *Write a program to count all the nodes in a binary search tree.*
- *How can you search for a specific value in a binary search tree? Write the code.*
- *Write code to traverse a binary search tree in in-order, pre-order, and post-order.*
- *How will you write reverse in-order traversal for a binary search tree? Show it in code.*
- *Write a program to check if there are duplicate values in a binary search tree.*
- *How can you delete a node from a binary search tree? Write code for deleting a leaf, a node with one child, and a node with two children.*