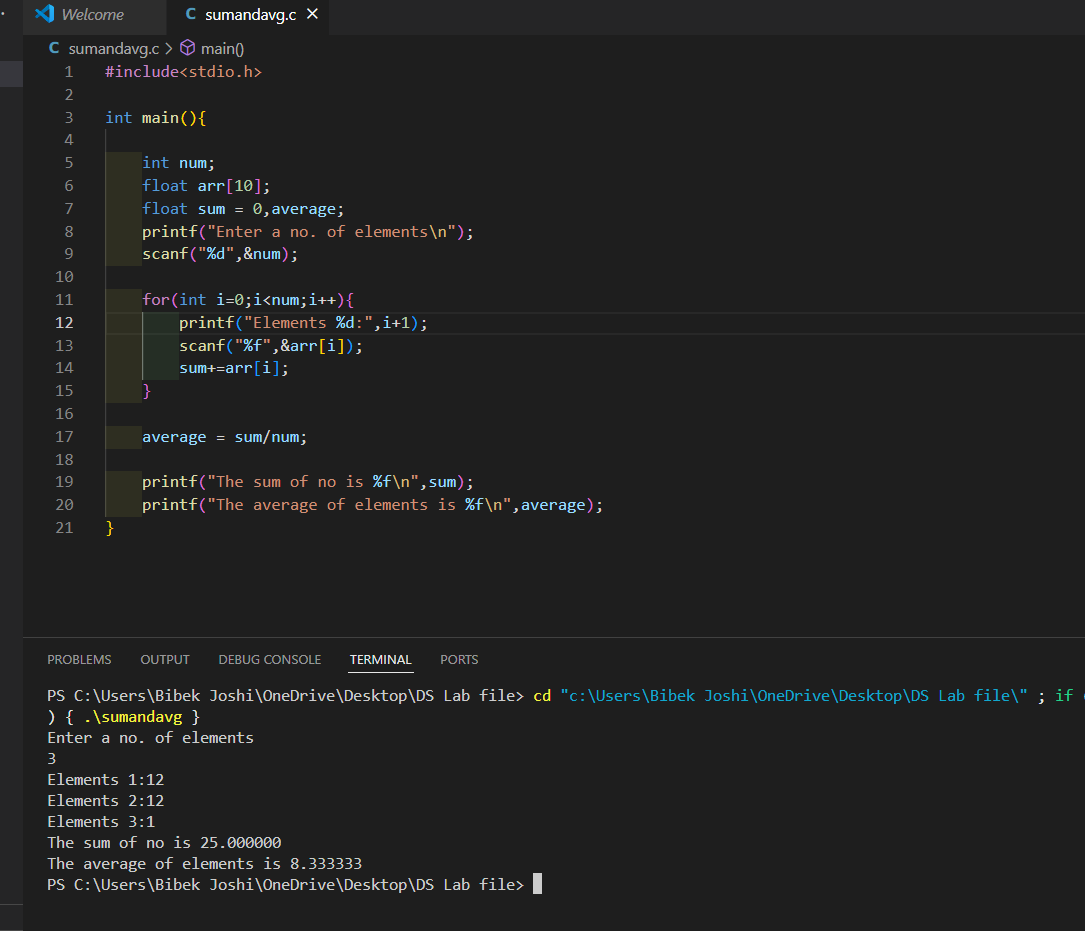
DS Lab File

Name : Himanshu

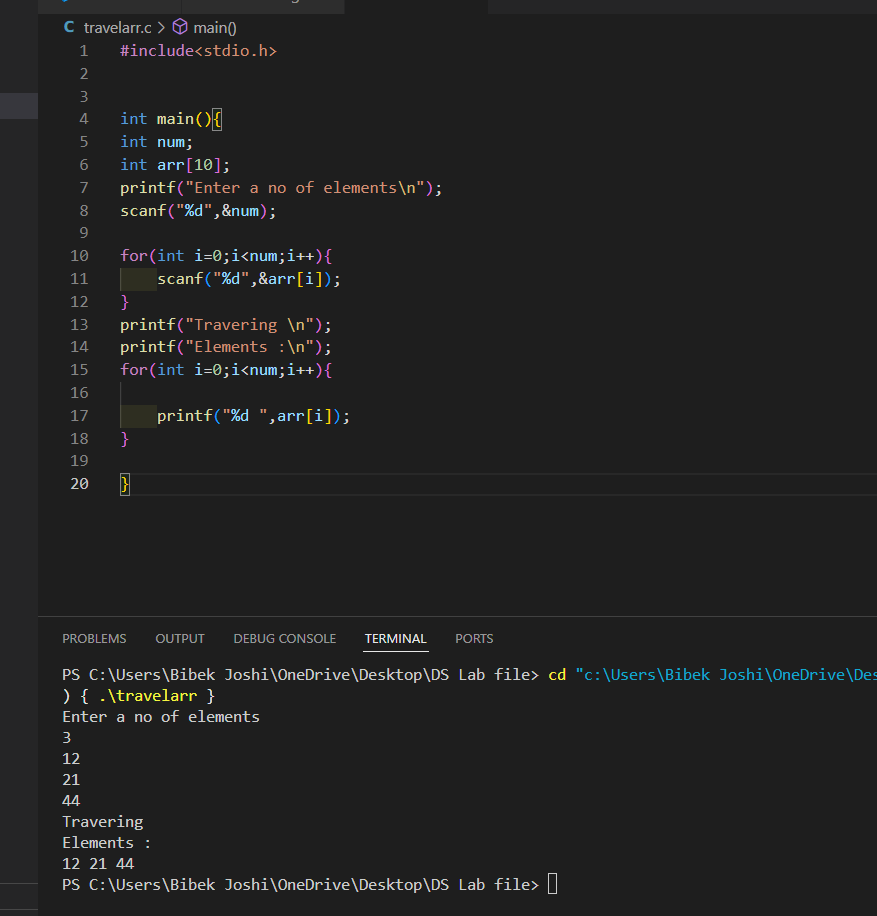
Roll No : 24/SCA/BCA/015

Section : BCA 2A

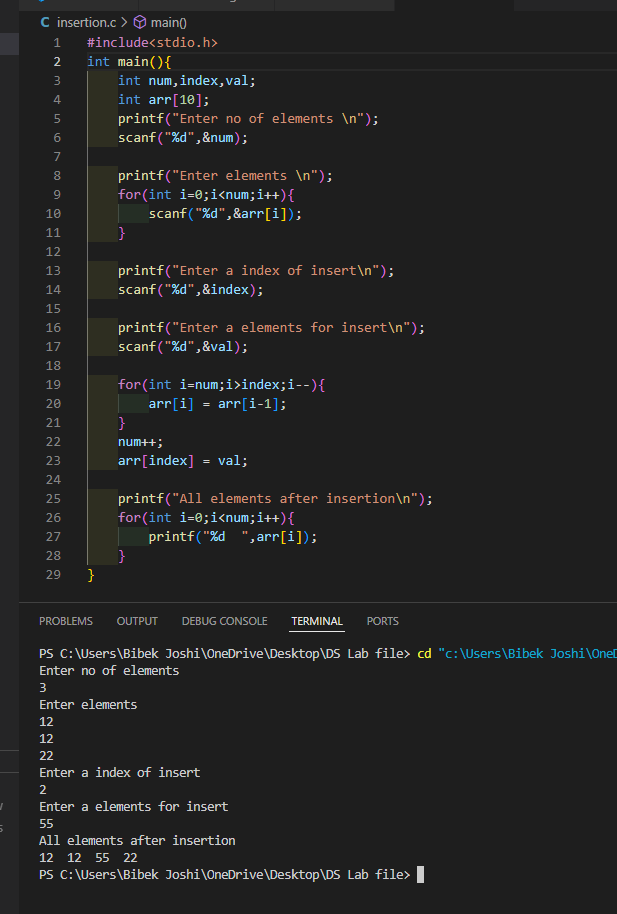
1. Array – Sum and Average



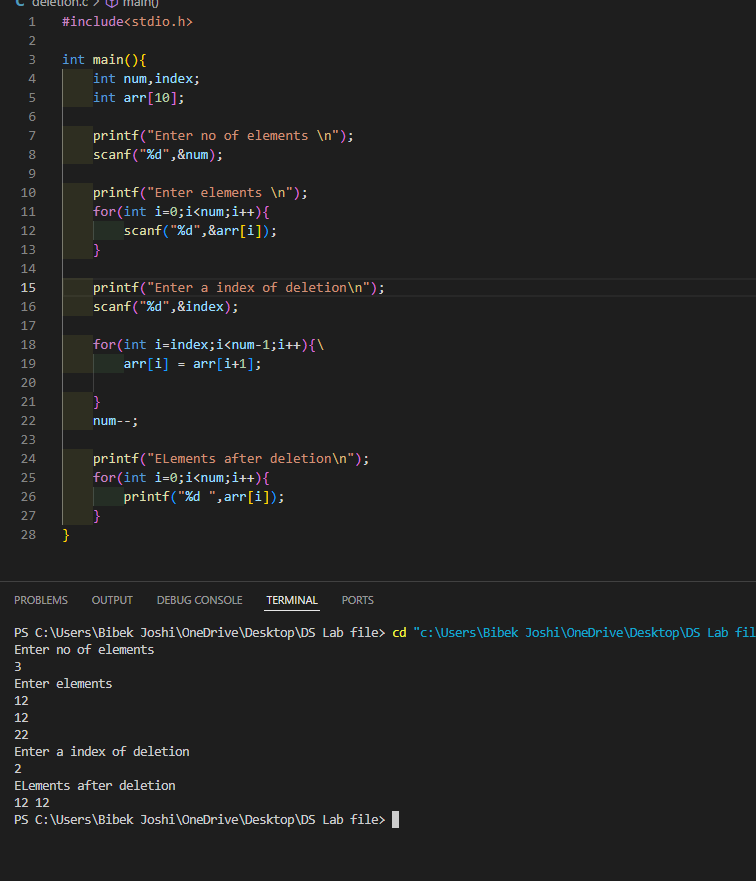
2. Traversing in Array



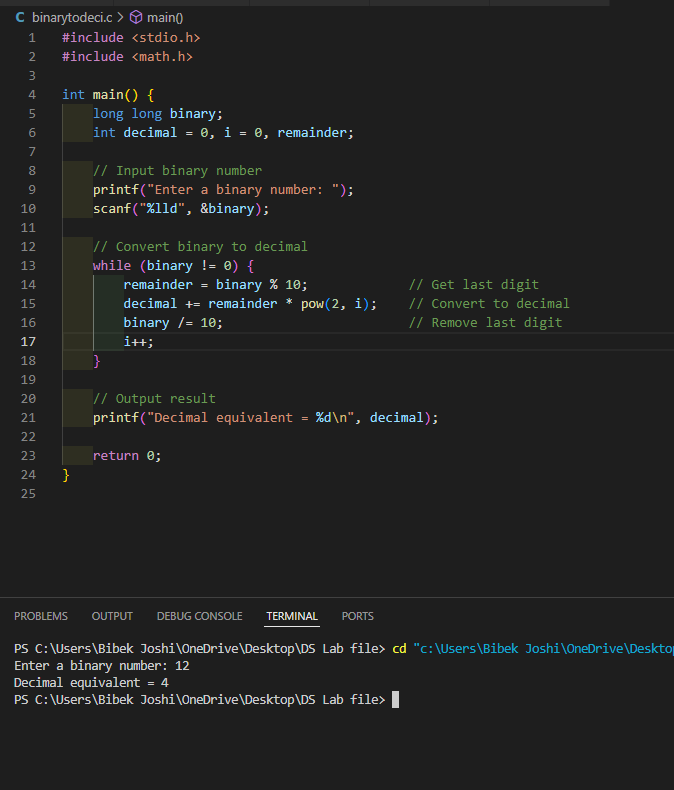
3. Insertion in array



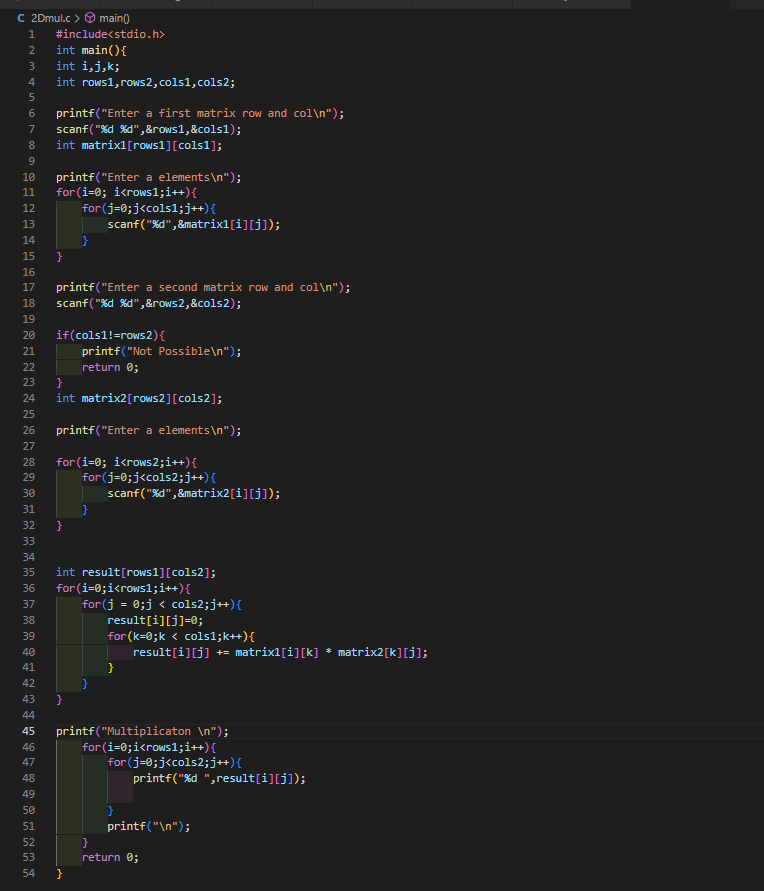
4. Deletion in Array



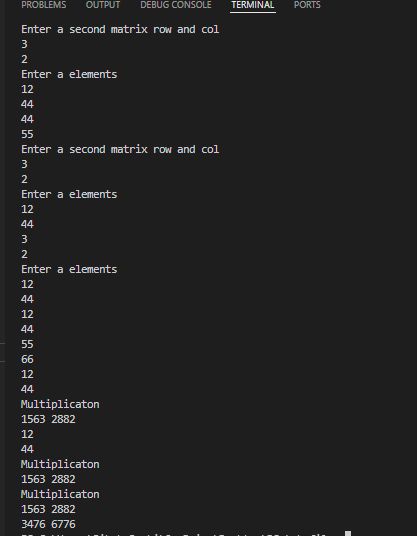
5. Binary to Decimal



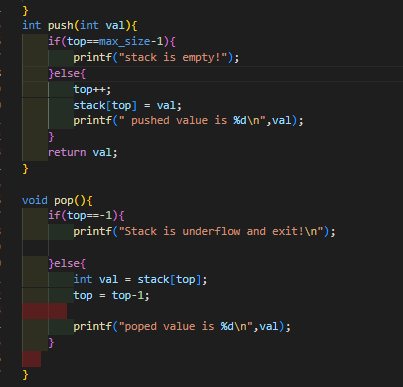
6. 2D Multiplication in Array

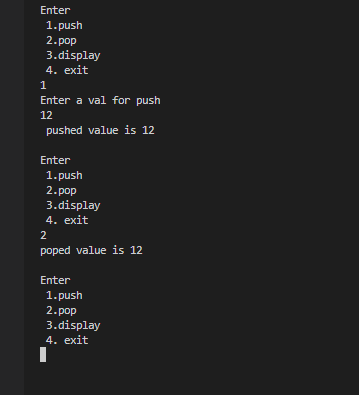


OUTPUT:

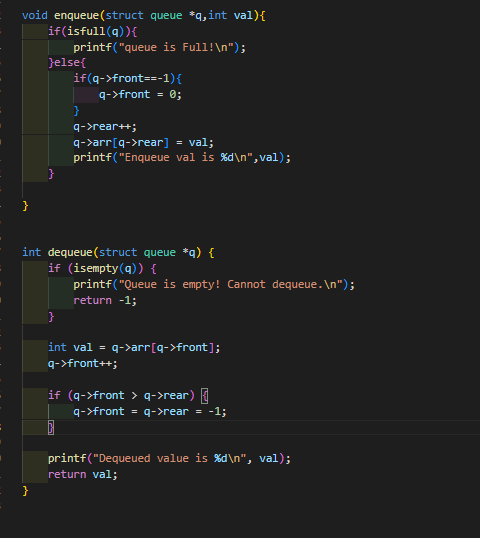


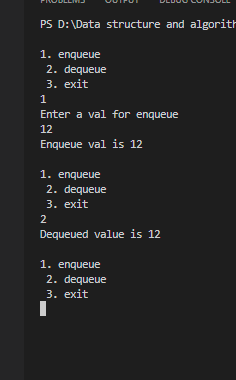
8.Stack Operation push and pop



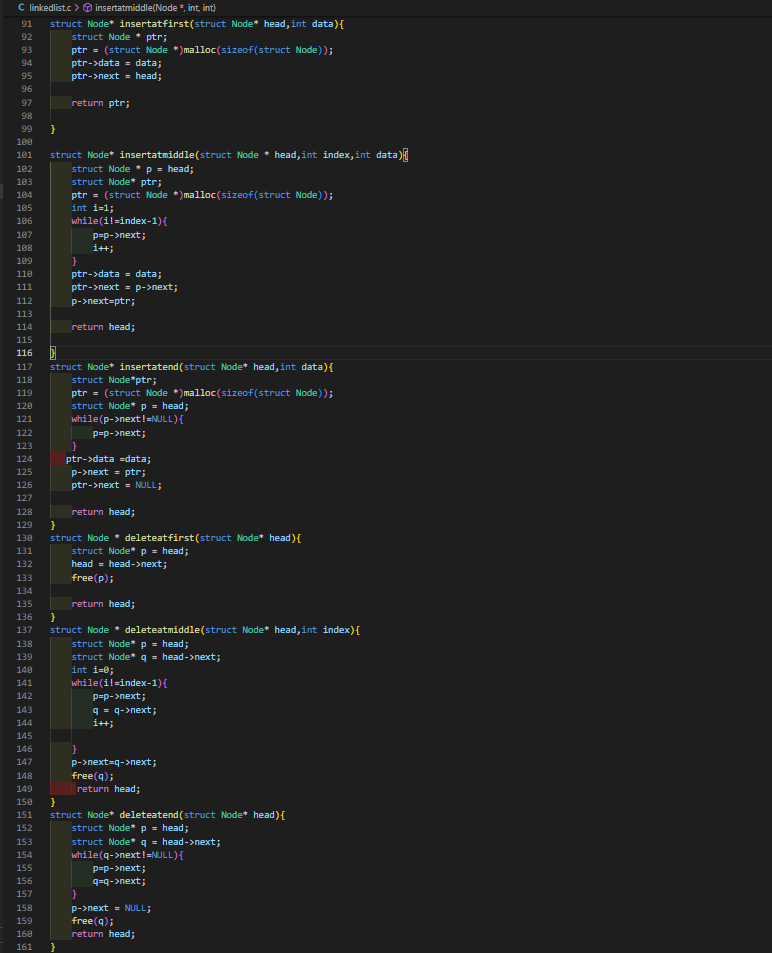


9. Queue operation insertion and deletion

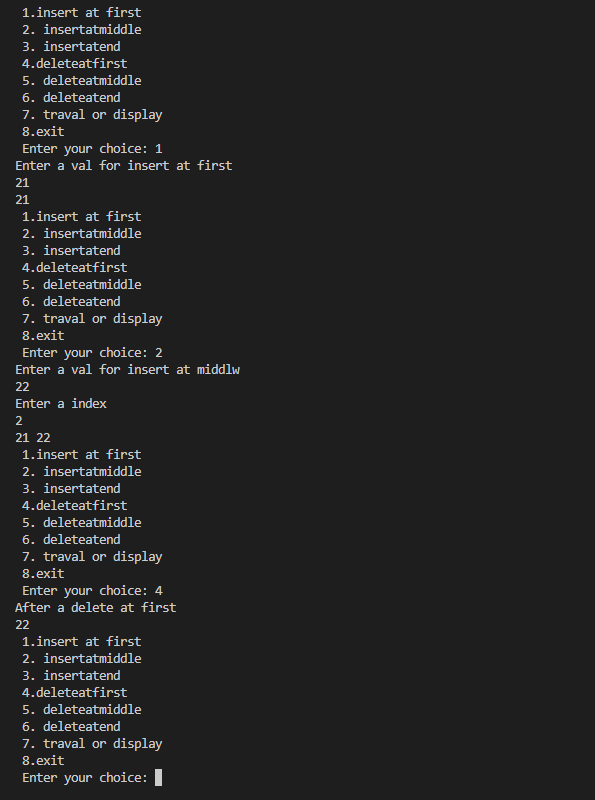




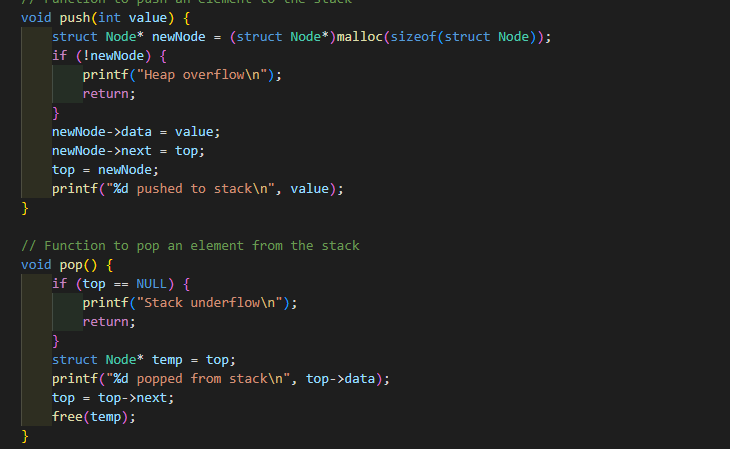
10. Linklist operation insertion and deletion

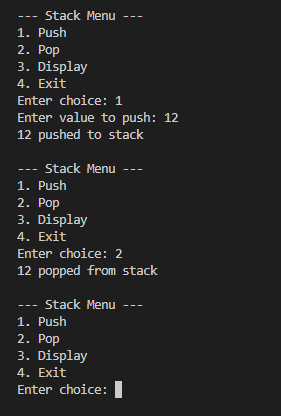


Output:

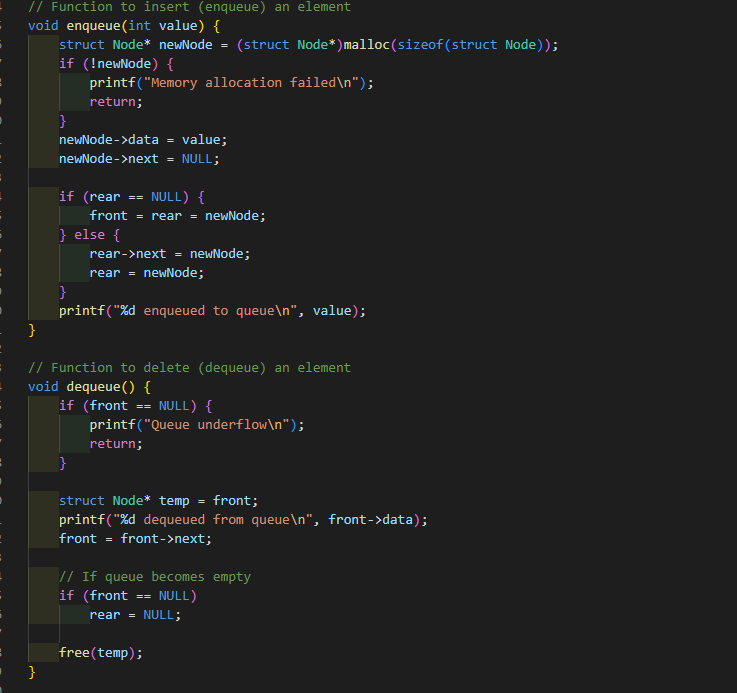


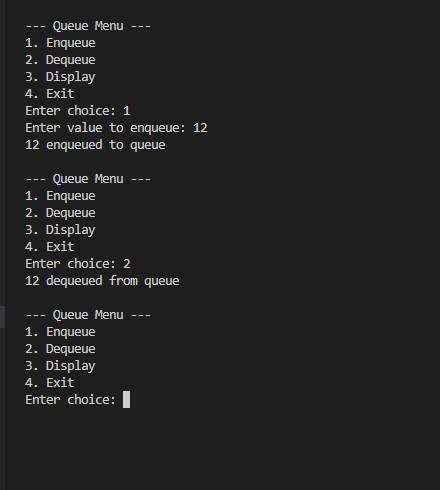
11. Stack through linklist – insertion and deletion





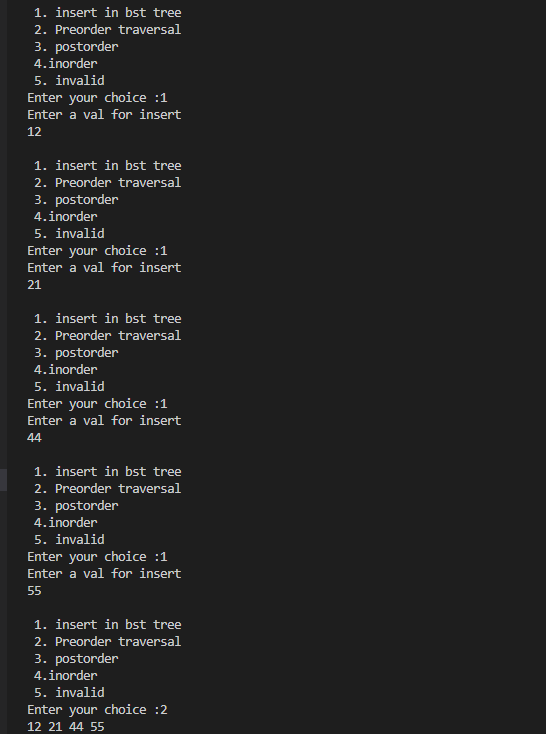
12. Queue through Linked list – insertion and deletion



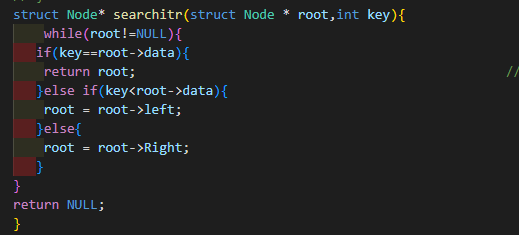


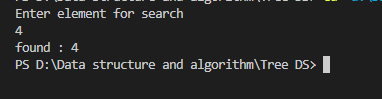
13. Tree Traversal

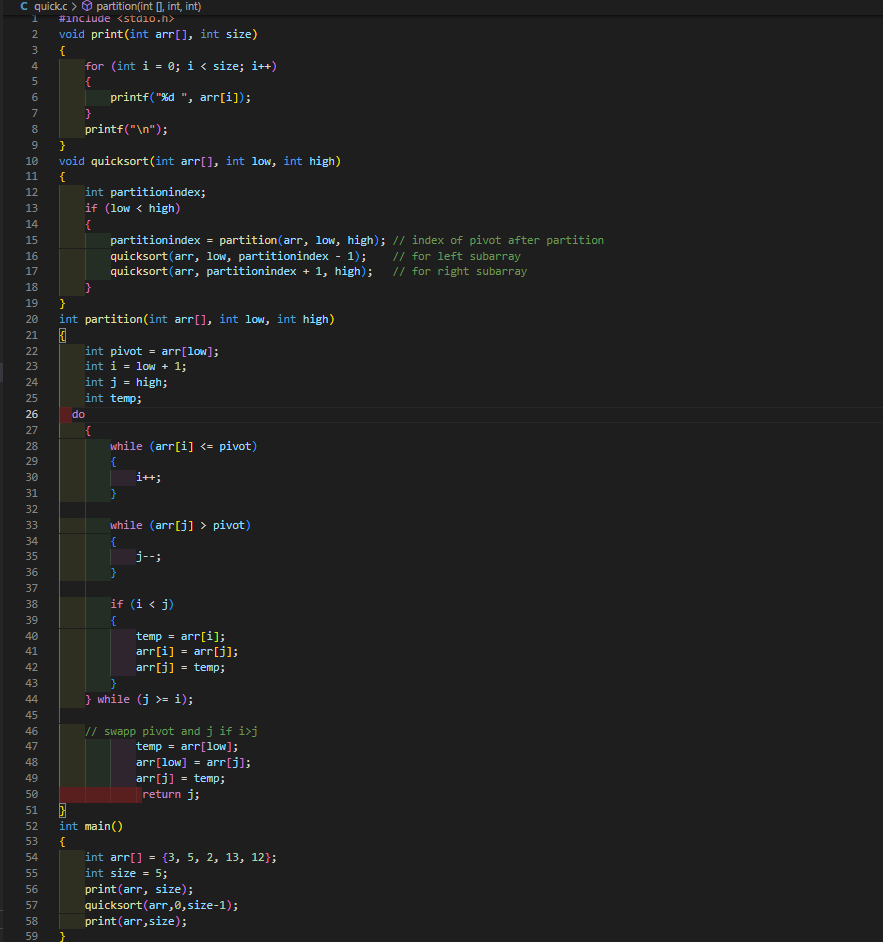


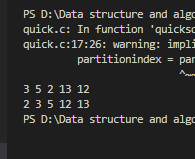


14. Tree Searching

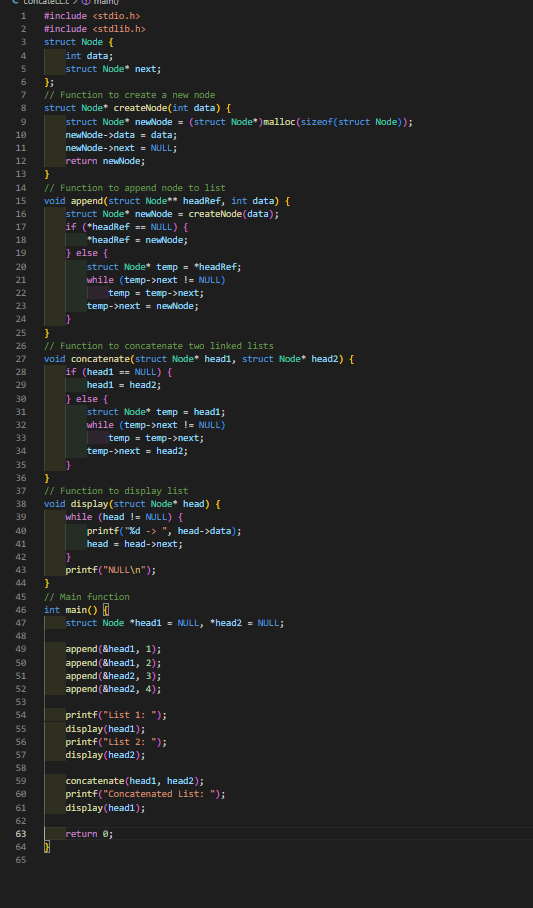




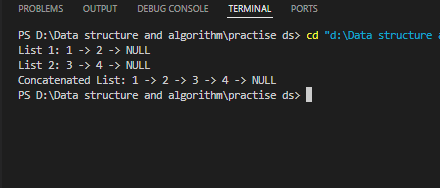
15. Quick Sort



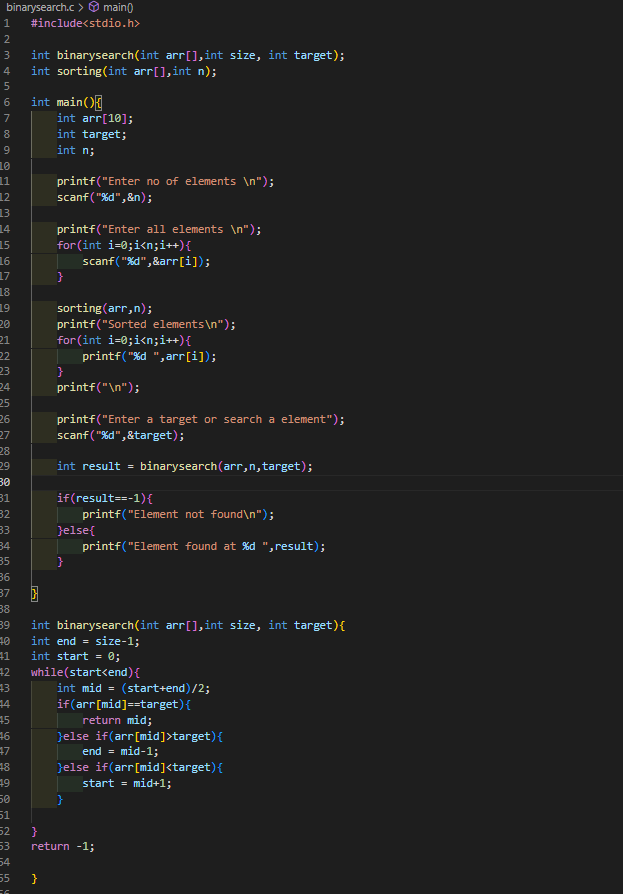
16. Concatenation of 2 linked lists



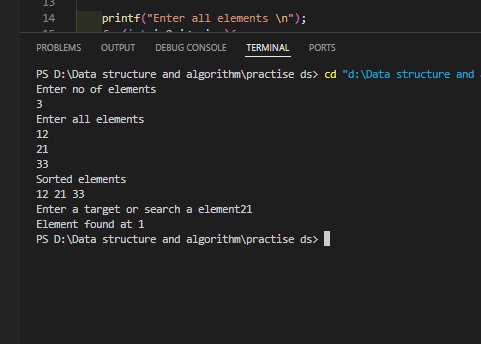
Output:



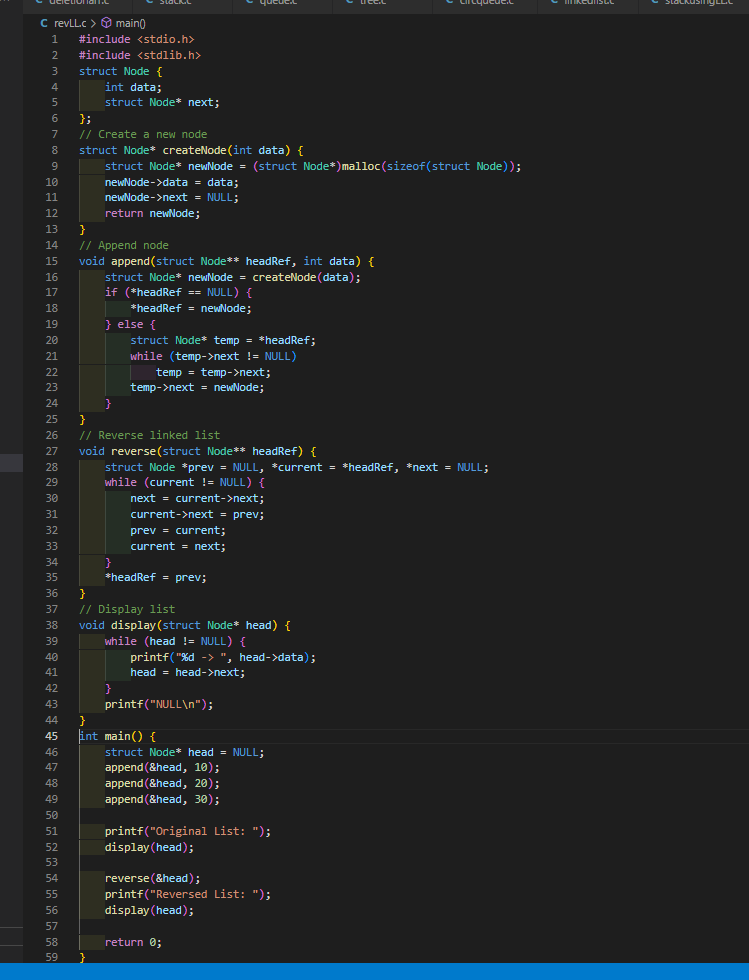
17. Binary Search



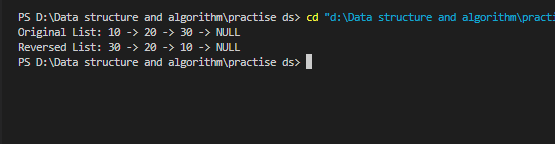
Output:



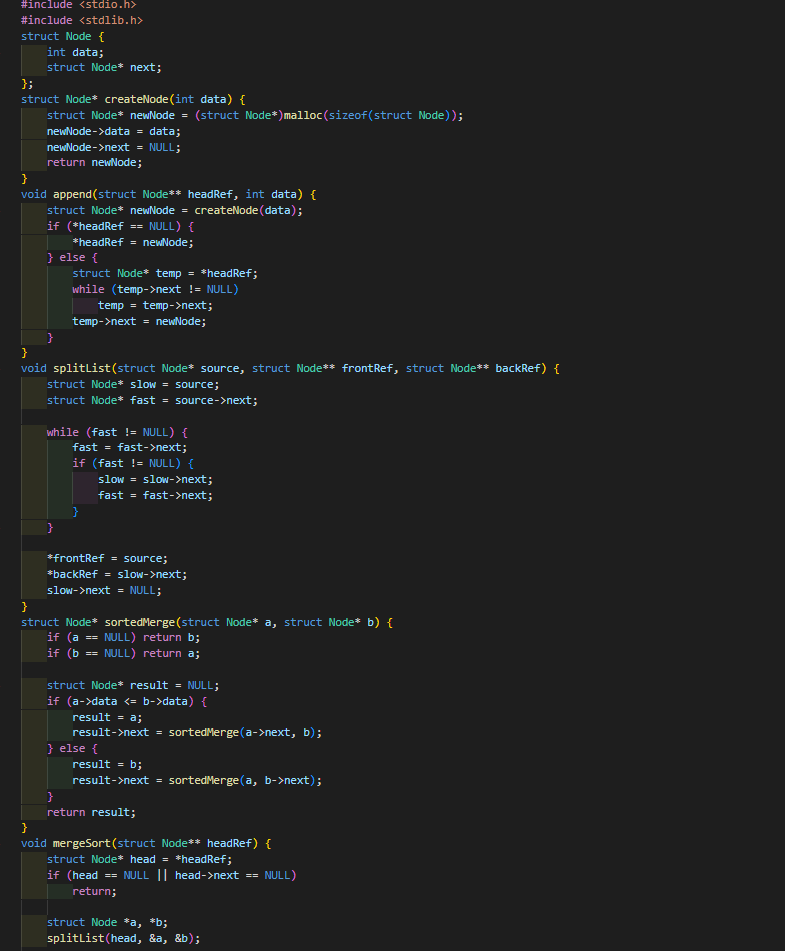
18. Reverse of a linked list

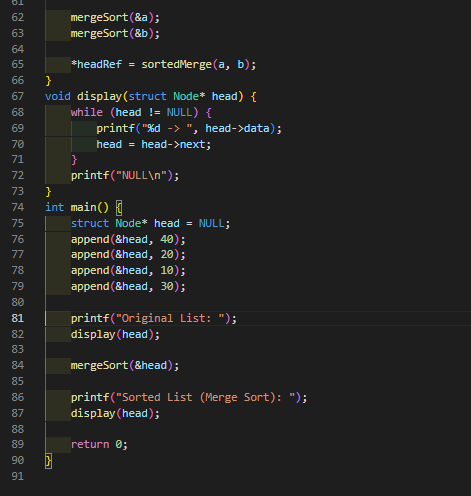


Output:

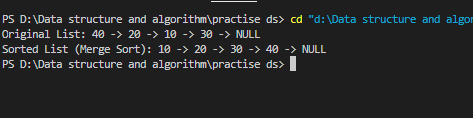


19. Sorting using merge sort





Output :



20. Linear Searching

