

Function Used in Project

➤ Two classes i.e. ***Train_Sys*** and ***Avl_tree***.

- ***Train_Sys*** uses linked list
- ***Avl_tree*** uses AVL

1. Option:

Used for selection options.

2. Insert:

Inserting essential data i.e. name, CNIC, gender through link list.

3. tkt_book:

it stores Customer data i.e. ticket id, CNIC, gender, destination through link list.

4. Print:

It prints out the data stored in ***insert*** function.

5. print_tkt:

It prints out the data stored in ***tkt_book*** function.

6. del_person:

it deletes the Customer data.

7. getLength:

Return current Length of List.

8. getHead:

Returns Head of ***Train_Sys*** List.

9. movePersonToNode:

function receives complete ***Train_Sys*** List and the complete avl tree and moves data from ***train_sys*** to ***avl_tree***.

10. dltPersonToNode:

function receives complete ***Train_Sys*** List and the complete avl tree and delete data from ***avl_tree***.

avl tree Functions.

11. Insert:

This function takes two arguments first argument is of type ***node*** and the second argument is of type ***Person***. Then it receives ***ticket_id*** from node called ***Person*** and store the incoming data from link list into AVL.

12. Del:

This function takes two arguments first argument is of type ***node*** and the second argument is of type ***Person***. Then it receives ***ticket_id*** from node called ***Person*** and delete the nodes of link list from AVL.

13. Print:

Display complete data of Customers coming from Link list to AVL.