06 February 2024 10:20

Linked List

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head = SK (nm)

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head head head next femp. dat

traverse (he mode tem!

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```
import java.util.*;
 public class Main {
  static class node{
   int data;
   node next;
   //constructor
   node(int val){
    this.data = val;
    this.next = null;
  public static node insertAthead(node head,int val){
   //task1 : new node;
   node newnode = new node(val);
   //task2 : new node ke next mein head daal do;
   newnode.next = head;
   //task 3 : update head;
   head = newnode;
   return head;
  public static void traverse(node head){
   node temp = head;
   while(temp != null)\{
    System.out.print(temp.data + "->");
    temp = temp.next;
public static void main(String[] args) {
    node head = new_node(11);
    insertAthead(head,10);
insertAthead(head,12);
    insertAthead(head,12);
    insertAthead(head,15);
    traverse(head);
```

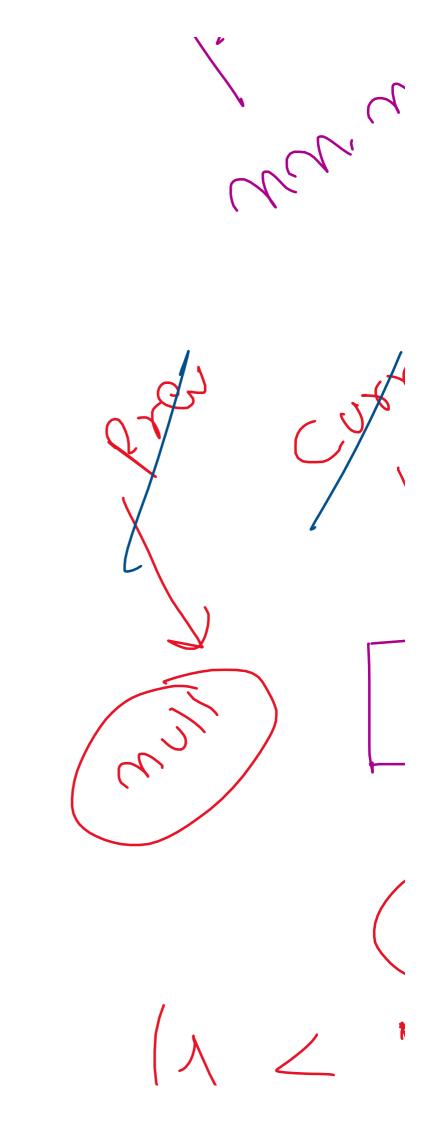
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main() }

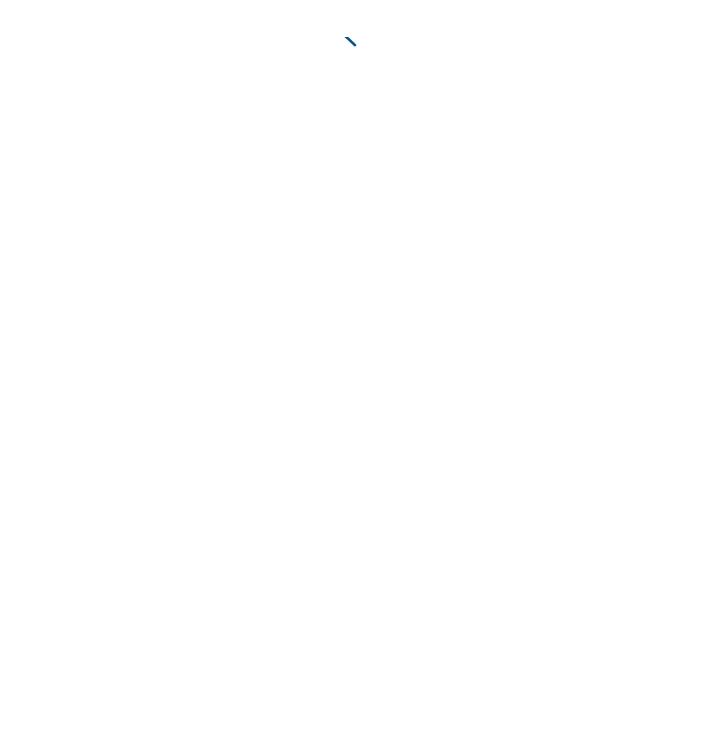
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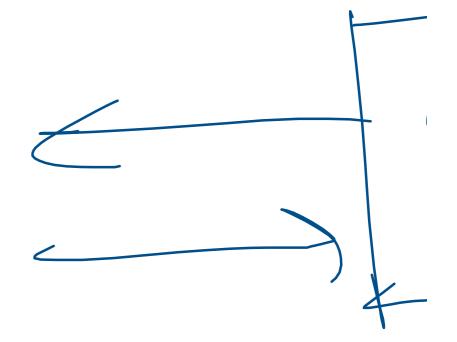
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Mec l'acci M11//



```
import java.util.*;
  public class Main {
static class node{
    int data;
node prev;
    node next;
    ///constructor
 node(int val){
     this.data = val;
     this.next = null;
                                                                  hesp (1619)
     this.prev = null;
   public static node insertATHead(node head,int val){
    if(head - mull){
     head = new node(val);
     return head;
newnode = newnode;
newnode.next = head;
head.prev = newnode;
head = newnode;
return head;
   public static node insertATtail(node tail,int val){
    node newnode = new node(val);
    tail.next = newnode;
    newnode.prev = tail;
    tail = newnode;
    return tail;
   }
   public static node deletionAthead(node head){
    node temp = head;
    head = head.next;
    temp = null;
    return head;
   public static void traverse(n
    node temp = head;
    while (temp != null){
     System.out.print(temp.data+"->");
     temp = temp.next;
```

insertATHead(head,11); (1) insertATHead(head,9); inserte THead(head,8); traverse(head); System.out.println(); tail = insertATtail(tail,13); tail = insertATtail(tail,14); tail = insertATtail(tail,15); tail = insertATtail(tail,16); traverse(head); System.out.println(); head = deletionAthead(head); traverse(head); System.out.println(); head = deletionAthead(head); traverse(head); System.out.println(); } public static node deletionAthead(node node temp = head; head = head.next; temp = null; return head;

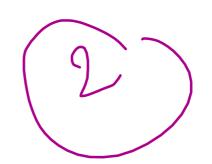
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8K/ 7/4K/E

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