```java
package com;

import java.util.Scanner;

public class LinkedList {

    static class Node{
        int data;
        Node next;
    }static Node head = null;static Node tail = null;

    static void addNode(int val){
        Node node = new Node();
        node.data = val;
        if(head == null) {
            node.next = null;
            head = node;
            tail = node;
        }
        else{
            node.next = null;
            tail.next = node;
            tail = tail.next;
        }
    }

    static void addPos(int val, int pos){
        Node node = new Node();
        node.data = val;
        if(head == null){
            node.next = null;
            head = node;
            tail = node;
        }
        else{
            Node temp = head;
            while(pos > 2) {
                temp = temp.next;
                pos--;
            }
            node.next = temp.next;
            temp.next = node;
```

```java
        while(pos > 2) {
            temp = temp.next;
            pos--;
        }
        node.next = temp.next;
        temp.next = node;
        }
    }

    static void display(){
        if(head == null)
            System.out.println("Its empty");
        else{
            Node temp = head;
            while(temp != null){
                System.out.print(temp.data + " -> ");
                temp = temp.next;
            }
            System.out.println("END");
        }
    }


    void delete(int p){

        if(p==1){
            head=head.next;
        }
        else if(p==2){
            head.next=head.next.next;
        }
        else{
            Node ptr1=head;
            Node ptr2=head.next;
            while(p>2){
                ptr1=ptr2;
                ptr2=ptr2.next;
                p--;
            }
        }
```

```java
                while(p>2){
                    ptr1=ptr2;
                    ptr2=ptr2.next;
                    p--;
                }
            }
        }


        public static void main(String[] args) {
            LinkedList list = new LinkedList();
            list.addNode(5);
            list.addNode(3);
            list.addNode(8);
            list.addNode(7);

            list.addPos(0,2);



//          System.out.println("The list is");
            list.display();
            Scanner sc=new Scanner(System.in);
            System.out.println("Enter the pos1");
            int p=sc.nextInt();

            list.delete(p);
            list.display();
        }
}
```

```
43          }
44      }
```

Ln: 1, Col: 1

▶ Run   ↪ Share   Command Line Arguments

```
5 -> 0 -> 3 -> 8 -> 7 -> END
Enter the pos1

2
5 -> 3 -> 8 -> 7 -> END


** Process exited - Return Code: 0 **
```