```
package Doubly_Linked_List;
public class DoublyLinkedList {
   private Node head = null;
   private int length = 0;
      public static void main(String[] args) {
            list.remove();
           Node node = new Node();

node.data = data;

node.prev = null;

node.next = null;
            if (length == 0) {
                 head = node;
                 node.next = head;
head.prev = node;
                 head = node;
            } length++;
           Node node = new Node();
node.data = data;
           node.prev = null;
           node.next = null;
if (length == 0) {
                 head = node;
                 node.next = null;
                 nodeTemp = head;
                  while (nodeTemp.next != null) {
                       nodeTemp = nodeTemp.next;
                 nodeTemp.next = node;
                 node.prev = nodeTemp;
node.next = null;
            length++;
      public void insert(int data, int Position) {
   if (Position < 0 || Position > length) {
            throw new IndexOutOfBoundsException("out of bounds!");
           Node node = new Node();
node.data = data;
node.prev = null;
           node.next = null;
```

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if (length == 0) {
          head = node;
          node.next = null;
          nodeTemp = head;
          for (int i = 0; i < Position; i++) {
    nodeTemp = nodeTemp.next;</pre>
          nodeTemp.next = node;
          node.prev = nodeTemp;
     length++;
     Node current = head;
     for (int i = 0; i < length; i++) {
   if (i == length - 1) {</pre>
          System.out.println(current.data); return;
         System.out.print(current.data); System.out.print("->");
         current = current.next;
public void remove() { if (length == 0) {
     if (length == 1) {
    head = null;
         head = head.next; head.prev = null;
     length--;
     if (length == 0) {
     if (length == 1) {
         head = null;
          Node current = head;
          while (current.next != null) {
              current = current.next;
          current.prev.next = null;
     length--;
public void remove(int position) {
   if (position < 0 || position >= length) {
     throw new IndexOutOfBoundsException("out of bounds!");
     if (position == length - 1) {
     Node current = head;
```