```
public static IntNode addBefore(IntNode front, int target, int newItem) {
    IntNode previous = null;
    IntNode current = front;

if(front == null)
    return front;

while(current.data!=target && current!=null){
    previous = front;
    current = current.next;
}

IntNode insertNode = new IntNode(newItem, current);

previous.next = insertNode;

if (previous == null)
    return insertNode;

return front;
}
```

```
public static IntNode addBeforeLast(IntNode front, int item){
    IntNode current = front;
    IntNode previous = null;

if(front == null)
    return null;

while(current.next!=null){
    previous = current;
    current = current.next;
}

IntNode insertNode = new IntNode (item, current);

if (previous == null){
    return insertNode;
}

previous.next = insertNode;
return front;
}
```

```
public static int numberOfOccurrences(StringNode front, String target) {
  int counter = 0;
  StringNode current = front;
  while(current!=null){
    if(current.data.equals(target))
       counter++;
    current = current.next;
  }
  return counter;
}
```

}

```
public static void deleteEveryOther(IntNode front){
    if(front == null)
        return;

    boolean everyOther = true;

IntNode previous = front;
IntNode current = front.next;

while(current!=null){
    if(everyOther){
        previous=current;
        current = current.next;
    }
    else{
        current = current.next;
        previous.next = current;
    }

    everyOther = !(everyOther);
}
```

public static StringNode deleteAllOccurrences(StringNode front, String target){

```
if(front == null)
  return null;
StringNode previous = null;
StringNode current = front;
while(current!=null){
  if(current.data.equals(target)){
     if(previous == null){
        front = current.next;
        current = current.next;
     }
     else{
        previous.next = current.next;
        current = current.next;
     }
  }
  else{
     previous = current;
     current = current.next;
  }
}
return front;
```

public IntNode commonElements(IntNode frontL1, IntNode frontL2){

```
IntNode first = null;
IntNode last = null;
while(frontL1 != null && frontL2 != null){
  if(frontL1.data < frontL2.data)
     frontL1 = frontL1.next;
  else if(frontL2.data > frontL1.data)
     frontL2 = frontL2.next;
  else{
     IntNode current = new IntNode(frontL1.data, null);
     if(last != null)
        last.next = current;
     else
        first = current;
     last = current;
     frontL1 = frontL1.next;
     frontL2 = frontL2.next;
  }
}
return first;
```