

```
Interface MyList
    add(E e)
    add(int i, E e)
    addFirst(E e)
    addLast(E e)
    clear()
    contains(E e)
    firstIndexOf(E e)
    get(int i)
    getFirst()
    getLast()
    isEmpty()
    lastIndexOf(E e)
    remove(int i)
    removeFirst()
    removeLast()
    set(int i, E e)
    setFirst(E e)
    setLast(E e)
    size()
    toString()
```

```
Abstract class MyAbstractList
    add(E e)
    addFirst(E e)
    addLast(E e)
    clear()
    contains(E e)
    getFirst()
    getLast()
    isEmpty()
    removeFirst()
    removeLast()
    setFirst(E e)
    setLast(E e)
    size()
    toString()
```

```
Concrete class MyArrayList
    MyArrayList()
    MyArrayList(E[] eArr)

    add(int i, E e)
    capacity()
    ensureCapacity(int newCap)
    firstIndexOf(E e)
    get(int i)
    lastIndexOf(E e)
    remove(int i)
    set(int i, E e)
    trimToSize()
```

```
Concrete class MyArrayListOp
    MyArrayListOp()
    MyArrayListOp(E[] eArr)

    clear()
    removeLast()
```

Concrete class MyLinkedList

```
MyLinkedList()  
MyLinkedList(E[] eArr)
```

```
add(int i, E e)  
firstIndexOf(E e)  
get(int i)  
lastIndexOf(E e)  
remove(int i)  
set(int i, E e)
```

Concrete class MyLinkedListOp

```
MyLinkedListOp()  
MyLinkedListOp(E[] eArr)
```

```
clear()  
toString()
```

```
Concrete class MyDLinkedList
MyDLinkedList() {
MyDLinkedList(E[] eArr)
```

```
add(int i, E e)
firstIndexOf(E e)
get(int i)
lastIndexOf(E e)
remove(int i)
set(int i, E e)
```

```
Concrete class MyDLinkedListOp
MyDLinkedListOp()
MyDLinkedListOp(E[] eArr)
```

```
clear()
toString()
```