

Amylist 付

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```
public void resize() {
   int arrayCapacity = data.length;
   if (listSize == arrayCapacity) {
        arrayCapacity *= 2;
        data = Arrays.copyOf(data, arrayCapacity);
   }
   else if (listSize < (arrayCapacity / 2)) {
        arrayCapacity /= 2;
        data = Arrays.copyOf(data, arrayCapacity);
   }
   System.out.println(" current arrayCapacity is " + arrayCapacity);
}</pre>
```

```
dealling 기업 구현
전체관이 다 찬경우에는
공간을 고배도 눌러준더
사용관이 전체의 전반보다 작으면
전체공간을 /2 하드로 구현
```

```
public static void main(String args[]) {
    ArrayList<Integer> myList = new ArrayList<>();
    myList.append(5);
    myList.append(11);
    myList.insert(1, 2);
    System.out.println(Arrays.toString(myList.data));
    myList.remove(2);
    System.out.println(Arrays.toString(myList.data));
    myList.update(1, 99);
    System.out.println(Arrays.toString(myList.data));
    myList.clear();
    for (int i = 0; i < 15; i ++) {
        myList.append(3);
        System.out.print(myList.length());
    for (int i = 0; i < 15; i ---) {
        myList.remove(0);
        System.out.print(myList.length());
```

→ 한내 insert, append, remove 시기가 당당이 resize가들이당 -> resize 후이는 현재 4몽광근 흑각

```
(base) choijiwon@choejiwon-ui-MacBookAir assignment % cd "/Users/choijiwon/Desi
Note: ArrayList.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
current arrayCapacity is 5
current arrayCapacity is 5
current arrayCapacity
[5, 2, 11, null, null]
  current arrayCapacity
 5, 2, 11, null, null)
5, 99, 11, null, null)
  current arrayCapacity is 2
1 current arrayCapacity is 4
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity is
  current arrayCapacity
  current arrayCapacity is 16
10 current arrayCapacity is 16
    current arrayCapacity is
    current arrayCapacity
    current arrayCapacity
13 current arrayCapacity
12 current arrayCapacity
11 current arrayCapacity
                              is 16
10 current arrayCapacity
                              is 16
9 current arrayCapacity is 16
8 current arrayCapacity is
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity
  current arrayCapacity
   current arrayCapacity
   current arrayCapacity
```

Linked List 700

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```
public static void main(String args[]) {
    LinkedList<Integer> myList = new LinkedList<);

for (int i = 0; i < 3; i++)
    myList.append(i);

System.out.println(myList.length());

myList.insert(1, 3);
myList.insert(1, 5);

System.out.println(myList.length());

myList.update(2, 10);

System.out.println(myList);

myList.remove(1);

System.out.println(myList);

myList.clear();

System.out.printlp/myList);

myList.clear();

System.out.printlp/myList);

hand

LinkedList</li>
```

```
(base) choijiwon@choejiwon-ui-MacBookAir assignment % cd "/Users/choijiwon/Desktop/GitHub-Des 3 5 0, 5, 10, 1, 2, 0, 10, 1, 2, (base) choijiwon@choejiwon-ui-MacBookAir assignment % []
```