

CS 314 EXAM ONE REVIEW — INSERT ALL TO FRONT

Array-based Lists

Implement an instance method for the `GenericList` class which will insert all of the elements from another `GenericList` to the front of `this` list. The `GenericList` argument will remain unchanged after this operation.

Complete the following method.

```
// Removes inserts all elements from other into this
// pre: other != null
// post: other is unchanged
public void insertAllFront(GenericList<E> other)
```

Here are some example calls to `insertAllFront()`:

```
4, 5, 6].insertAllFront([1, 2, 3]) → this = [1, 2, 3, 4, 5, 6]
[4].insertAllFront([3, 1]) → this = [3, 1, 4]
[2, 3, 4, 5].insertAllFront([1]) → this = [1, 2, 3, 4, 5]
[].insertAllFront([1, 2, 3]) → this = [1, 2, 3]
[3, 1, 1].insertAllFront([]) → this = [3, 1, 1]
```

Your method will be in the following `GenericList` class:

```
public class GenericList<E>{
    private int size;
    private E[] con;
    // ...
}
```

Do not use or assume there are any provided methods in the `GenericList` class.
You may create a new internal array container.
Do not use any other Java classes or methods.

```
// Removes inserts all elements from other into this
// pre: other != null
// post: other is unchanged
public void insertAllFront(GenericList<E> other){
```