

CS 314 EXAM ONE REVIEW— REMOVE ODD INDICES

Array-based Lists

Implement an instance method for the `GenericList` class which will remove all elements at odd indices. This method will then return the number of elements removed from the list. None of the elements in the list will be `null`.

Complete the following method.

```
// Removes all elements at odd indices
// pre: none
// post: returns number of elements removed from list
public int removeOddIndices()
```

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

```
[0, 1, 2, 3, 4, 5].removeOddIndices() → [0, 2, 4], returns 3
["A", "B", "C", "D", "E"].removeOddIndices() → ["B", "D"], returns 3
[314].removeOddIndices() → [314], returns 0
[].removeOddIndices() → [], returns 0
```

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.
Do not use any other Java classes or methods.

```
// Removes all elements at odd indices
// pre: none
// post: returns number of elements removed from list
public int removeOddIndices() {
```