

Lab Goal : This lab was designed to teach you more about iterators and list iterators.

Lab Description : Read in a list of words, a word to replace, and a word with which to replace the original word. Replace all occurrences of the original word with the new word. You must use a ListIterator.

Sample Data :

```
a b c a b c      a      +
a b c d e f g h i j x x x x      x      7
1 2 3 4 5 6 a b c a b c      b      #
```

Files Needed ::

```
IteratorReplacer.java
IteratorReplacerRunner.java
```

Sample Output :

```
[+, b, c, +, b, c]
```

```
[a, b, c, d, e, f, g, h, i, j, 7, 7, 7, 7]
```

```
[1, 2, 3, 4, 5, 6, a, #, c, a, #, c]
```

Use an ArrayList to store the list.

Use split() to split the String input into a String[] array.

```
String[] words = "abc cde fgh ijk".split(" ");
```

```
ArrayList<String> list = new ArrayList<String>(Arrays.asList(words));
```

You can use `list.toString().replaceAll()` to print out the ArrayList in one line.