

Lab Goal : This lab was designed to teach you how to use a set.

Lab Description : Read in a list of words/letters and determine which values are unique and which values are duplicates. Uniques are values that occur in the original list at least once. Duplicates are values that occur in the original list more than once.

Sample Data :

```
a b c d e f g h a b c d e f g h i j k
one two three one two three six seven one two
1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 6
```

Files Needed ::

```
UniquesDups.java
DupRunner.java
```

Sample Output :

```
Original List : a b c d e f g h a b c d e f g h i j k
Uniques : [a, b, c, d, e, f, g, h, i, j, k]
Dups : [a, b, c, d, e, f, g, h]
```

```
Original List : one two three one two three six seven one two
Uniques : [one, seven, six, three, two]
Dups : [one, three, two]
```

```
Original List : 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 6
Uniques : [1, 2, 3, 4, 5, 6]
Dups : [1, 2, 3, 4, 5]
```

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

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

Set<String> set = new TreeSet<String>(Arrays.asList(words));

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