

Lab Goal : This lab was designed to teach you how to use an ArrayList.

Lab Description : Create a program that will store a list of Words and perform particular operations on the list of Words.

BONUS + 10 POINTS - Write methods to return the Word with the most characters and Word with the least characters.

Sample Data :

one, two, three, four, five, six, seven, alligator
fun, fly, four, six, times, ten, plus, eight
alligator, chicken, dog, cat, pig, buffalo

Files Needed ::

Word.java
Words.java
Lab04a.java

Sample Output :

```
[one, two, three, four, five, six, seven, alligator]
word with 2 vowels = 5
word with 3 vowels = 0
word with 4 vowels = 1
word with 2 chars = 0
word with 4 chars = 2
word with 5 chars = 2
```

```
after removing words with 3 chars
[three, four, five, seven, alligator]
```

```
[fun, fly, four, six, times, ten, plus, eight]
word with 2 vowels = 3
word with 3 vowels = 0
word with 4 vowels = 0
word with 2 chars = 0
word with 4 chars = 2
word with 5 chars = 2
```

```
after removing words with 3 chars
[four, times, plus, eight]
```

```
[alligator, chicken, dog, cat, pig, buffalo]
word with 2 vowels = 1
word with 3 vowels = 1
word with 4 vowels = 1
word with 2 chars = 0
word with 4 chars = 0
word with 5 chars = 0
```

```
after removing words with 3 chars
[alligator, chicken, buffalo]
```