

1. Write a program which asks the user to enter a sentence. The program will then find and print out the following:
 - The length of the text
 - The first word in the text
 - The length of the first word
 - The last word in the text
 - The length of the last word
 - Whether the first and last words are the same

```
Please enter a sentence: the quick red fox
Sentence length: 17
First word is: the
First word length is: 3
Last word is: fox
Last word length is: 3
First and last words are not the same
```

Autumn 2017 Question 4

Assuming that we have a `String` object

```
String webAddress = "WWw.LYit.com";
```

write code that will convert `webAddress` to lower case.

(2 Marks)

Write a piece of Java code that will determine if the `String` begins with "www".

(2 Marks)

Write a piece of Java code that will determine if a `String` ends with ".com" and if it does change the `String` so that it ends with ".ie"

(3 Marks)

Write a piece of Java code that will display two `String` objects in dictionary order.

(4 Marks)

Write a piece of Java code that will prompt the user to enter a web address. If the user enters "www.lyit.ie", a message should be displayed, "Welcome to Letterkenny Institute of Technology home page" otherwise an error message should be displayed. It is *not* case sensitive.

(4 Marks)

Write a piece of Java code that will parse the `String webAddress` into the separate parts and display them as on screen as

```
Part1: www
Part2: lyit
Part3: ie
```

(7 Marks)