OLQ4

Study Guide

1. Be able to use `charAt()`

2. Be able to use `substring()`

3. Write a program using the `split()` function – see last few slides of Week 4.

OLQ question

Create a **complete** Java program that will compile and run and do the following as was described in the Study Guide document.

Prompt for a phrase
Prompt for a delimiter

Split the phrase using the entered delimiter

Print the array without hardcoding the number of elements in the array.

See sample output that your code must be able to create. DO NOT HARDCODE VALUES – this is just an example.

Enter a phrase chocolate,strawberry,vanilla
Enter the delimiter ,
chocolate
strawberry
vanilla

The following explanation will NOT be part of the OLQ

Your code must have these prompts and be able to produce this output - you should not be hardcoding the values in the printout. Your code should be able to take any phrase and any delimiter. The **phrase**, **delimiter** and **result** are JUST AN EXAMPLE. Use the `split()` function to create the code. Look at the last few slides of Week 4.

You will be given this template

```java
package olq4;

import java.?;

public class OLQ4
{
    public static void main(String[] args)
    {
    }
}
```

Bonus : Figure out how to enter the pipe symbol as a delimiter. The slides show how to use it like this

```java
String tokens[] = sentence.split("[|]");
```

but they do not show how to enter | at a prompt for delimiter. Try it with your program and see what happens. You do not need more or different code. You just need to do something extra when entering the delimiter (hint : think about how to escape characters to make them do something other than what they are - \n, \t, \b, \\, \', \").