

**CMSC131 Fall 2004 Quiz #6, Duration 25 Minutes**

**First Name:**

**Last Name:**

**Student Id:**

**Section time (10am/11am):**

**TAs:**

**Problem Description**

Implement the following two static methods which belong to a class called **Util**. You do not need to define the class, just the methods.

- (a) **count** - Takes as parameters an array of Strings and an integer. It returns the number of Strings in the array whose length is less than or equal to the specified integer.
  
- (b) **lessOrEqual** - Takes as parameter an array of Strings and an integer. It returns a new array containing those Strings whose lengths are less than or equal to the specified integer. If there are no Strings that satisfy the length condition, it returns an empty array (with 0 elements). You can use the **count** method of part (a), even if you did not implement it. For full credit, the array that is returned should only contain the desired Strings and no other elements (that is, no extra strings and no null values).

For example, consider the array of Strings containing:

```
{ "Hello", "Goodbye", "Foo", "FooBar" }
```

If the length parameter is 4, then part (a) will return the value 2, and part (b) will return the array:

```
{ "Hello", "Foo" }
```

**WRITE YOUR IMPLEMENTATION ON THE NEXT PAGE**



**WRITE YOUR IMPLEMENTATION ON THIS PAGE**