(0) Consider the following methods:
runEverything(...): creates a GUI that responds to user requests. Calls processInput.
processInput(...): gets and processes entire input from the user. Calls calcAllInfo
preprocessAllInfo(...): collates info about result of preprocessing each piece of user input. Calls
   processFirstBit(...).
processFirstBit(...): preprocesses the first bit of user input.

We consider what (should) happen if processFirstBit throws an Exception.

(1) (From Spring 2010's final) We have forgotten how to find the length of a string \( s \), and we are in a hurry. We do remember that \( s\.charAt(k) \) throws a StringIndexOutOfBoundsException if \( k \) is not the index of a character \( s \). So we (meaning you) write the function below, using a loop (with initialization) that successively evaluates \( s\.charAt(0) \), \( s\.charAt(1) \), \( s\.charAt(2) \), ... until the exception is thrown, at which time \( k \) will be the length! Write the body of the function. You will need a try-statement.

```java
/** = length of string s */
public static int length(String s) {

```