COSC 120 – Assignment #3
Fall 09

Objective: To utilize String functionalities to translate a message into Morse code.

Your task: Using BlueJ, create methods that will accurately translate a message into Morse code. There will be no framework for this project; you'll get to write the whole program from scratch (one of the goals of the course). Some details about the implementation:

You should be able to get various sized inputs from the user. This means that the user could enter in a single word input like "hello" as well as a whole line like "Whee this is fun coding stuff".

You should be able to translate at least the characters a-z, A-Z, and 0-9. You do not need to handle punctuation or any characters outside of the ones noted.

For the Morse code representation, you should use a period '.' to represent a dot and a hyphen '-' to represent a dash. Use a pipe '|' to separate words.

You should create at least two methods in your code: one will be a main method that will run the program and the other will handle the conversion from letters to Morse code. The program should proceed by getting a line from the user, calling the conversion method, printing out the result (you may handle the printing in either the main or in the conversion) and then repeating until the user types in the string "DONE". You may only get input from the user in the main method, I do not want to see any input statements in the conversion method.

Example input and output:

```
Enter a line to be converted: I am awesome
Converted string: .. | .- -- | .- .-- . … --- -- .
Enter a line to be converted: DONE
Goodbye
```

Note that in the example above the lines "I am awesome" and "DONE" are provided by the user.

I will provide my grading rubric for this assignment at least one week ahead of the due date.

Java Stuff You'll Need: Strings, String Tokenizers, loops, other basic Java constructs.

You will be turning the project files in via the Digital Dropbox tool in Blackboard.

DUE: November 11th, 11:59pm in the Digital Dropbox.