

This in-lab assignment is due at the start of your next lab session (Thursday the 10<sup>th</sup> or Friday the 11<sup>th</sup>). It is worth approximately 0.5% of your course grade. Recall that you can drop two in-lab scores.

In this assignment, you will be asked to write a C++ program from scratch. You are to put your name, username, section number, and date at the beginning of the file in the first comments section. You will be turning in this code using “enscript -G” to print your file.

You are to write a program that does the following tasks:

- Prompts the user to enter a line of text (with no spaces or tabs)
- Echoes that text, but in reverse order (so “tom” becomes “mot” and “thisOne” becomes “enOsiht”)
- Prints a message indicating the number of times “ing” appeared in the text entered by the user.

It should continue to do this until the user enters the word “exit” by itself, at which time you should print a goodbye message and exit the program.

You are required to use C++ strings.

Example run, the user enters the text in italics.

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```
Please enter some text (press enter to exit)
One
enO
In your text the string "ing" appeared 0 times.

Please enter some text (press enter to exit)
singingInTheRain
niaRehTnIgnignis
In your text the string "ing" appeared 2 times.

Please enter some text (press enter to exit)
exit
Thank you for using reverse text. Goodbye.
```

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The exact wording of the messages can differ.