

## CSE 411: Advanced Programming Techniques

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### Programming assignment 2 **Project due on Sept 10th.**

Write a solid replacement for the Linux `fmt` command in the C language. `fmt` is a simple text formatter. Basically, it breaks long lines of texts into multiple lines of a specified width. Your `fmt` implementation should support the following options:

```
-u, --uniform-spacing  
-w, --width=WIDTH  
--help  
--version
```

If you are not sure about what `fmt` does and the semantics of its options, read its manpage and also play with it with some text file. If the semantics is still unclear to you for certain combinations of options, make your best guess and document it.

You should use `getopt_long()` to handle command-line options. The following document contains a tutorial about how to use it:

<http://www.ibm.com/developerworks/aix/library/au-unix-getopt.html>

You may not copy any code from any other source (i.e., all code must be your own), but you may use standard system libraries available on our CentOS system.

**Version control.** For this project and all following programming projects in this course, you should use the subversion tool to check in at least daily versions of your code into your Subversion repository. We will perform random check on your repository. (It is a good habit to get into checking in new versions periodically, even on the same day or hour.)

**Submission.** When complete, submit your solution (a complete project if it's a NetBeans or Eclipse project) through CourseSite.