

Assignments

- Create a program that prints a textual file split by words, i.e. each word on the new line
 - word separators are white characters (space, new line, tab,...)
 - the name of a file will be given as a program argument

Assignment

- Create a program that counts number of individual words in a given file
 - the name of a file will be given as a program argument

Assignment

- Create a program that prints a textual file justified to a maximal given width (maximal number of characters on the line)
 - i.e., the text is justified to left
 - the name of a file and number of characters will be given as a program arguments
- Extension
 - the program accepts 3rd optional argument
 - name of the output file to which the justified text needs to be stored
 - without it, the programs prints out to the std output

Assignment

- Create the **adduser** program, which adds a user to a UNIX system
- users are in the file `/etc/passwd`
 - create a copy of the file and make changes to the copy
 - format of the file available in the manual page
 - `man 5 passwd` (or <https://linux.die.net/man/5/passwd>)
- program will be interactive
 - asks the user about his/her user-name
 - tests whether the user-name exists
 - suggests a UID
 - tests whether UID can be used
 - offers the home directory
 - `/home/username`
 - offers a shell



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