

COMP205 : SYSTEMS PROGRAMMING

Term Project Report

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1/2/2018

Project Description :

The main objective of this project was to implement my own shell script in C programming language. The project consists of one main c file and 4 shell bash scripts which 3 of them are unique;

- -factorial -> Takes a number from the user and prints the factorial of the number
- -news -> Open a news page on the default browser. (works for firefox only)
- -rmblanks - > Removes all blank lines from the source file and prints the new version on a different file.
- -crtfile -> Same as 'touch' command in Linux but with different syntax.

The program has its own command prompt and command line parser. Then it executes the relevant script for the input command.

Example of How The Program Works :

Welcome To My Shell !

Type : '-help ' for available commands or '-exit ' to exit.

\$> -factorial 5

120

\$> -news

\$> -rmblanks examp.txt newexamp.txt

\$> -crtfile newfile

\$> -help

-factorial number : Finds the factorial of the number.

-news : Opens a news page in your browser(has to be firefox)

-rmblanks sourcefile destfile : Removes the blanks from the source file , creates a new file and prints the blankless version.

-crtfile name : Same as touch command.

Reminder :: \$> -exit

Error : available commands : '-factorial x' , '-news ' , '-rmvblanks sourcefile destfile '

\$> -exit