OS assignment 1

This is a simple shell program that could handle simple shell internal command such as, cd, echo, history, pwd, exit and external command such as, ls, cat, date, rm, mkdir. By using system call function fork(), exec() and wait family of commands.

The options the shell command can take are:

1. pwd
2. cd directory_name
3. echo string_to_print
4. echo -n string_to_print
5. history
6. exit
7. ls
8. ls -a
9. ls -d
10.   cat
11.   cat -n fileName
12.   cat -e shell.c
13.   date
14.   Date -R
15.   rm fileName
16.   rm -i fileName
17.   rm -v folderName
18.   mkdir new_directory_name
19.   mkdir -v new_directory_name

Assumptions:

1. Entered commands are always in lowercase.
2. The maximum number of commands that we can enter in the shell is 256.
3. The maximum number of argument a command can take is 3.

Error Handled:

1. When we type any invalid command or give any invalid argument to a command was handled successfully.