Basic Linux/Unix shell

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ABOUT THE CODE

I have written external function in different c files.

2019418 cat.c

2019418_date.c

2019418_ls.c

2019418_mkdir.c

2019418 rm.c

My internal functions are inside 2019418_shell.c , those functions are cd , echo , history , pwd , exit.

This is my make file

• Explaining all functions:

Cat – cat is used to display all files.

Eg – cat a.txt

Date – date is used to display the current date and time.

Eg – type date in shell

Ls – Is is used to get list of all the files in current directory.

Eg — if two files a.txt and b.txt is present in current directory then type Is in shell and it will display a.txt and b.txt.

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Mkdir – mkdir is used to make a new directory.

Eg. mkdir newdict

This makes a new directory newdict in current directory.

Rm – rm delets a file.

Eg – rm a.txt

This will delet a.txt from current directory.

Cd – cd is used to change directory.

Echo – echo is used to print something on shell.

Eg – echo doremon

Will print doremon on shell.

History – history tells which all commands are used till now.

Eg — if we used Is till now then history command will tell us Is is used

Pwd – pwd tells the full path of current working directory.

Exit – exit is used to exit the shell and end all tasks going on.

OUTPUT FOR VARIOUS INPUT