**README**

Procedure to execute the

1. There are two executable files which are profile.src and msh.c.
2. Moving to the directory where saved the files with command "cd/OSDI".
3. In order to compile the .c file, we need to enter “**make**” command to execute „**Makefile’** and it will compile and generate all required object file and use "./msh" command to execute the shell.
4. The program will execute profile file and set some valuables.
5. The program will jump to "/root".
6. Then we will see the promt sign and the current directory which is"/root".
7. The shell is correctly running and we will see "[/root ] $" sign.
8. Test ~Command Description "ls" or "ls -l" show file list. "cd .." or "cd

/usr/src" direct to certain directory. "cat filename >

/root/new\_shell/filename\_2" save the content in filename 1 to filename\_2 in/root/new\_shell"ls|more|grep a" check with the multi pipes,it returns all the files that contains charactor "a" in their filename. "cat <

/root/new\_shell/new\_shell.c|wc" check the mixed command, it returns the number of words in new\_shell.c file. "wc$(fgrep -l malloc

/root/new\_shell/new\_shell.c )" show the number of words in shell.c file "math" evaluating mathematical expression. "spawn" create an application and show pid

1. Termination:

Type "exit" to terminate the shell. The program will ask for confirmation to terminate the shell.

1. Additional Features:

Mixed commands and multi pipe is working in this project. such as cat < /root/new\_shell/new\_shell.c|wc and ls|more|grep a

Procedure to change the Prompt Sign:

1. Navigate to OSDI/src/profile.src file. You will see contents like as shown below

SIGN=$

PATH=/bin:/usr/bin

HOME=/root

First line specifies the prompt sign.

Second line specifies the directory path

Third line specifies the home directory