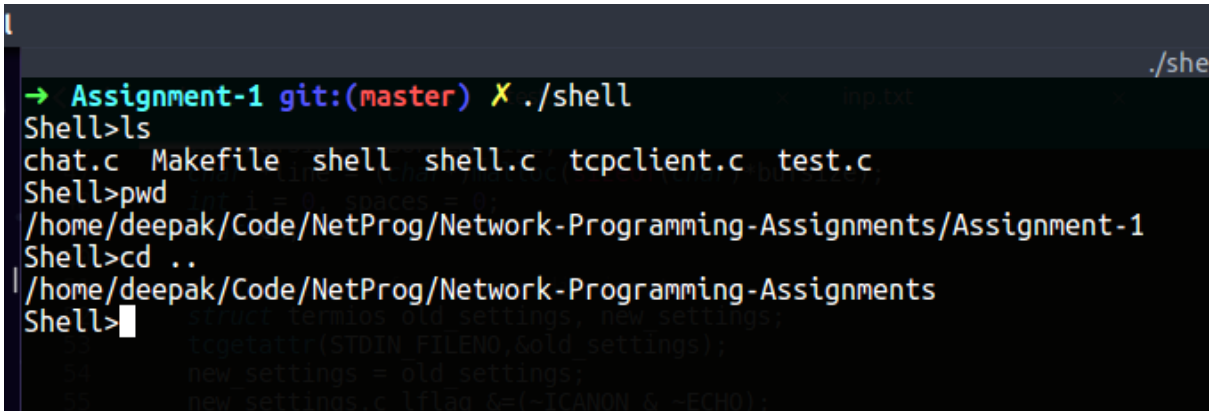
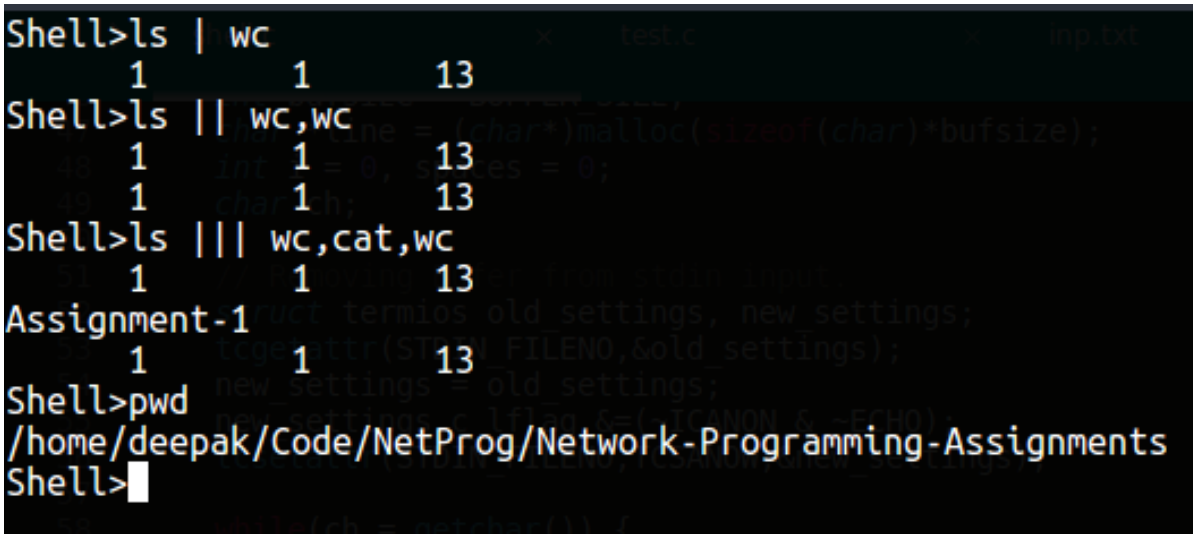
Network Programming - Shell Guide

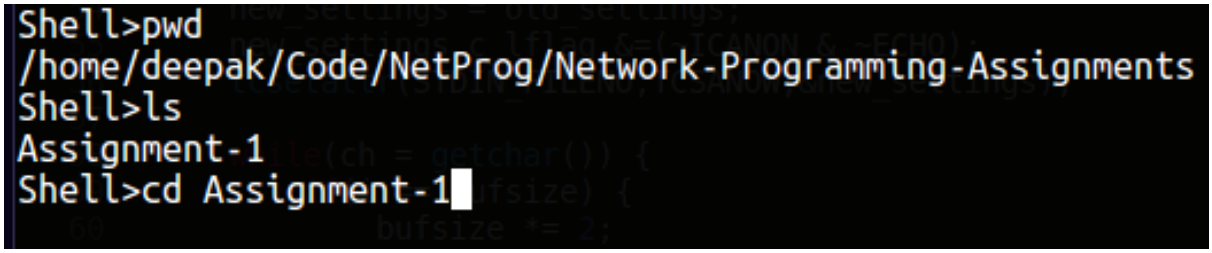
1. Shell works with all commands available in bash.
   “cd” is an shell builtin command to change directory.



2. It has single piping, double piping and triple piping.
   Double and triple piping can be used only once and
   they should be the last pipe used.



3. Shell has autocomplete on pressing “Tab”. This will



```
Shell>pwd
/home/deepak/Code/NetProg/Network-Programming-Assignments
Shell>ls
Assignment-1
Shell>cd Ass
```

work for all files and directories present in current working directory. It will fill the first match it finds.

4. Shell has redirection operators ‘<’, ‘>’ and ‘>>’. ‘<’ can be used only once in a command. Only one of ‘>’ and ‘>>’ can be used in a command. Piping and redirection cannot be used together.

```
Shell>ls
chat.c  Makefile  shell  shell.c  tcpclient.c  test.c
Shell>cat Makefile
shell:  shell.c
        gcc -o shell shell.c
Shell>cat < Makefile > output
Shell>ls
chat.c  Makefile  output  shell  shell.c  tcpclient.c  test.c
Shell>cat output
shell:  shell.c
        gcc -o shell shell.c
Shell>cat < Makefile >> output
Shell>cat output
shell:  shell.c
        gcc -o shell shell.c
shell:  shell.c
        gcc -o shell shell.c
Shell>
```