```
[d207-023-218-113:ass4 rmittal$ ls
CMakeLists.txt
                        UnixLs
                                                 UnixLs.o
                                                                          cmake-build-debug
                                                                                                  infodemo.c
                                                 assignment4.pdf
                                                                                                  makefile
README.pdf
                        UnixLs.c
                                                                          commands.o
[d207-023-218-113:ass4 rmittal$ make
make: `UnixLs' is up to date.
[d207-023-218-113:ass4 rmittal$ ./UnixLs
cmake-build-debug
UnixLs
CMakeLists.txt
makefile
UnixLs.o
commands.o
assignment4.pdf
infodemo.c
README.pdf
UnixLs.c
[d207-023-218-113:ass4 rmittal$ ./UnixLs -i
8595722365 cmake-build-debug
8595919447 UnixLs
8595831511 CMakeLists.txt
8595790128 makefile
8595919439 UnixLs.o
8595788211 commands.o
8594363939 assignment4.pdf
8595739518 infodemo.c
8595917140 README.pdf
8595919411 UnixLs.c
```

<pre>[d207-023-218-113:ass4 rmittal\$ 8595831511 CMakeLists.txt 8595917140 README.pdf [d207-023-218-113:ass4 rmittal\$</pre>	8595919447 UnixLs 8595919411 UnixLs.c	8595919439 UnixLs.o 8594363939 assignment4.pdf	8595722365 cmake-build-debug 8595788211 commands.o	8595739518 infodemo.c 8595790128 makefile
8595722365 cmake-build-debug				
8595919447 UnixLs				
8595831511 CMakeLists.txt				
8595790128 makefile				
8595919439 UnixLs.o				
8595788211 commands.o				
8594363939 assignment4.pdf				
8595739518 infodemo.c				
8595917140 README.pdf				
8595919411 UnixLs.c				

```
[d207-023-218-113:ass4 rmittal$ ls -l
total 1856
                                108
                                     8 Apr 20:04 CMakeLists.txt
-rw-r--r-- 1 rmittal staff
-rw-r--r--@ 1 rmittal
                      staff
                             767568
                                    9 Apr 21:45 README.pdf
                              14468 9 Apr 22:04 UnixLs
-rwxr-xr-x 1 rmittal
                      staff
-rw-r--r-- 1 rmittal
                      staff
                             7268 9 Apr 22:04 UnixLs.c
                             13460 9 Apr 22:04 UnixLs.o
-rw-r--r-- 1 rmittal
                      staff
-rw-r--r--@ 1 rmittal
                      staff
                             120299 26 Mar 20:22 assignment4.pdf
drwxr-xr-x 9 rmittal
                      staff
                                288
                                     8 Apr 20:31 cmake-build-debug
-rw-r--r-- 1 rmittal staff
                               3724
                                     8 Apr 11:46 commands.o
                                    7 Apr 21:14 infodemo.c
-rw-r--r-@ 1 rmittal staff
                                798
                                211
                                     8 Apr 13:00 makefile
-rw-r--r-- 1 rmittal staff
[d207-023-218-113:ass4 rmittal$ ./UnixLs -l
                                            288 Apr 08 2018 20:31 cmake-build-debug
drwxr-xr-x 9
                  rmittal
                               staff
-rwxr-xr-x 1
                  rmittal
                               staff
                                          14468 Apr 09 2018 22:04 UnixLs
 -rw-r--r-- 1
                  rmittal
                               staff
                                            108 Apr 08 2018 20:04 CMakeLists.txt
                                            211 Apr 08 2018 13:00 makefile
 -rw-r--r-- 1
                  rmittal
                               staff
 -rw-r--r-- 1
                  rmittal
                               staff
                                          13460 Apr 09 2018 22:04 UnixLs.o
                                           3724 Apr 08 2018 11:46 commands.o
 -rw-r--r-- 1
                  rmittal
                               staff
                  rmittal
                                         120299 Mar 26 2018 20:22 assignment4.pdf
 -rw-r--r-- <u>1</u>
                               staff
                  rmittal
                               staff
                                            798 Apr 07 2018 21:14 infodemo.c
 -rw-r--r--
                                         767568 Apr 09 2018 21:45 README.pdf
 -rw-r--r-- <u>1</u>
                  rmittal
                               staff
 -rw-r--r--
                  rmittal
                               staff
                                           7268 Apr 09 2018 22:04 UnixLs.c
```

```
d207-023-218-113:ass4 rmittal$ ./UnixLs -l
 drwxr-xr-x
              9
                   rmittal
                                 staff
                                              288 Apr 08 2018 20:31 cmake-build-debug
              1
                                            14468 Apr 09 2018 22:04 UnixLs
 -rwxr-xr-x
                   rmittal
                                 staff
 -rw-r--r--
              1
                   rmittal
                                 staff
                                              108 Apr 08 2018 20:04 CMakeLists.txt
              1
                                              211 Apr 08 2018 13:00 makefile
 -rw-r--r--
                   rmittal
                                 staff
                                            13460 Apr 09 2018 22:04 UnixLs.o
            1
                                 staff
 -rw-r--r--
                   rmittal
              1
                                              3724 Apr 08 2018 11:46 commands.o
 -rw-r--r--
                   rmittal
                                 staff
            1
                                 staff
                                           120299 Mar 26 2018 20:22 assignment4.pdf
                   rmittal
              1
                                              798 Apr 07 2018 21:14 infodemo.c
 -rw-r--r--
                   rmittal
                                 staff
              1
                                           767568 Apr 09 2018 21:45 README.pdf
                   rmittal
                                 staff
                                             7268 Apr 09 2018 22:04 UnixLs.c
 -rw-r--r--
              1
                   rmittal
                                 staff
d207-023-218-113:ass4 rmittal$ ls -il
total 1856
8595831511 -rw-r--r-- 1 rmittal
                                   staff
                                             108
                                                  8 Apr 20:04 CMakeLists.txt
8595917140 -rw-r--r-@ 1 rmittal
                                          767568
                                                   9 Apr 21:45 README.pdf
                                   staff
8595919447 -rwxr-xr-x 1 rmittal
                                   staff
                                           14468
                                                  9 Apr 22:04 UnixLs
8595919411 -rw-r--r--
                       1 rmittal
                                   staff
                                            7268
                                                  9 Apr 22:04 UnixLs.c
                                                  9 Apr 22:04 UnixLs.o
8595919439 -rw-r--r--
                       1 rmittal
                                  staff
                                           13460
8594363939 -rw-r--r-@ 1 rmittal
                                   staff
                                          120299 26 Mar 20:22 assignment4.pdf
                       9 rmittal
8595722365 drwxr-xr-x
                                   staff
                                             288
                                                  8 Apr 20:31 cmake-build-debug
8595788211 -rw-r--r--
                       1 rmittal
                                   staff
                                            3724
                                                   8 Apr 11:46 commands.o
8595739518 -rw-r--r-@ 1 rmittal
                                             798
                                                   7 Apr 21:14 infodemo.c
                                   staff
                                                   8 Apr 13:00 makefile
8595790128 -rw-r--r--
                       1 rmittal
                                   staff
                                             211
d207-023-218-113:ass4 rmittal$ ./UnixLs -il
8595722365
                          9
                                                          288 Apr 08 2018 20:31 cmake-build-debug
            drwxr-xr-x
                               rmittal
                                            staff
                          1
                                                        14468 Apr 09 2018 22:04 UnixLs
8595919447
            -rwxr-xr-x
                               rmittal
                                            staff
                         1
                                                          108 Apr 08 2018 20:04 CMakeLists.txt
8595831511
                               rmittal
                                            staff
            -rw-r--r--
8595790128
            -rw-r--r--
                         1
                               rmittal
                                            staff
                                                          211 Apr 08 2018 13:00 makefile
8595919439
                         1
                                                        13460 Apr 09 2018 22:04 UnixLs.o
            -rw-r--r--
                               rmittal
                                            staff
                                                         3724 Apr 08 2018 11:46 commands.o
8595788211
                          1
            -rw-r--r--
                               rmittal
                                            staff
8594363939
                         1
                                            staff
                                                       120299 Mar 26 2018 20:22 assignment4.pdf
            -rw-r--r--
                               rmittal
                          1
                                                          798 Apr 07 2018 21:14 infodemo.c
8595739518
            -rw-r--r--
                               rmittal
                                            staff
8595917140
                         1
                                                       767568 Apr 09 2018 21:45 README.pdf
            -rw-r--r--
                               rmittal
                                            staff
8595919411
                                                         7268 Apr 09 2018 22:04 UnixLs.c
                         1
            -rw-r--r--
                               rmittal
                                            staff
[d207-023-218-113:ass4 rmittal$ ./UnixLs -i -l
                          9
8595722365
            drwxr-xr-x
                               rmittal
                                            staff
                                                          288 Apr 08 2018 20:31 cmake-build-debug
8595919447
                          1
                                            staff
                                                        14468 Apr 09 2018 22:04 UnixLs
            -rwxr-xr-x
                               rmittal
8595831511
                          1
                                                          108 Apr 08 2018 20:04 CMakeLists.txt
            -rw-r--r--
                               rmittal
                                            staff
8595790128
                          1
                               rmittal
                                            staff
                                                          211 Apr 08 2018 13:00 makefile
            -rw-r--r--
8595919439
            -rw-r--r--
                          1
                               rmittal
                                            staff
                                                        13460 Apr 09 2018 22:04 UnixLs.o
8595788211
                          1
                                                         3724 Apr 08 2018 11:46 commands.o
            -rw-r--r--
                               rmittal
                                            staff
8594363939
            -rw-r--r--
                          1
                               rmittal
                                            staff
                                                       120299 Mar 26 2018 20:22 assignment4.pdf
8595739518
                          1
                                            staff
                                                          798 Apr 07 2018 21:14 infodemo.c
            -rw-r--r--
                               rmittal
                          1
                                                       767568 Apr 09 2018 21:45 README.pdf
8595917140
            -rw-r--r--
                               rmittal
                                            staff
8595919411
            -rw-r--r--
                         1
                               rmittal
                                            staff
                                                         7268 Apr 09 2018 22:04 UnixLs.c
[d207-023-218-113:ass4 rmittal$ ./UnixLs -li
8595722365
                          9
                                            staff
                                                          288 Apr 08 2018 20:31 cmake-build-debug
            drwxr-xr-x
                               rmittal
8595919447
                          1
                                                        14468 Apr 09 2018 22:04 UnixLs
                                            staff
            -rwxr-xr-x
                               rmittal
8595831511
            -rw-r--r--
                          1
                               rmittal
                                            staff
                                                          108 Apr 08 2018 20:04 CMakeLists.txt
8595790128
                          1
                                                          211 Apr 08 2018 13:00 makefile
            -rw-r--r--
                               rmittal
                                            staff
                          1
                                                        13460 Apr 09 2018 22:04 UnixLs.o
8595919439
                               rmittal
                                            staff
            -rw-r--r--
                          1
                                                         3724 Apr 08 2018 11:46 commands.o
8595788211
            -rw-r--r--
                               rmittal
                                            staff
8594363939
                          1
                               rmittal
                                            staff
                                                       120299 Mar 26 2018 20:22 assignment4.pdf
            -rw-r--r--
                                                          798 Apr 07 2018 21:14 infodemo.c
8595739518
                          1
                               rmittal
                                            staff
8595917140
                          1
                               rmittal
                                            staff
                                                       767568 Apr 09 2018 21:45 README.pdf
            -rw-r--r--
8595919411
                          1
                                                         7268 Apr 09 2018 22:04 UnixLs.c
            -rw-r--r--
                               rmittal
                                            staff
```

8 Apr 13:00 makefile

-rw-r--r-- 1 rmittal staff

211

```
d207-023-218-113:ass4 rmittal$ ./UnixLs -Ril
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4
8595722365 drwxr-xr-x
                             rmittal
                                          staff
                                                       288 Apr 08 2018 20:31 cmake-build-debug
8595919447 -rwxr-xr-x
                             rmittal
                                                     14468 Apr 09 2018 22:04 UnixLs
                                          staff
8595831511 -rw-r--r--
                                          staff
                                                       108 Apr 08 2018 20:04 CMakeLists.txt
                             rmittal
8595790128 -rw-r--r--
                             rmittal
                                          staff
                                                       211 Apr 08 2018 13:00 makefile
8595919439 -rw-r--r--
                             rmittal
                                          staff
                                                     13460 Apr 09 2018 22:04 UnixLs.o
8595788211 -rw-r--r--
                                          staff
                                                      3724 Apr 08 2018 11:46 commands.o
                             rmittal
8594363939 -rw-r--r--
                             rmittal
                                          staff
                                                    120299 Mar 26 2018 20:22 assignment4.pdf
8595739518 -rw-r--r--
                                                       798 Apr 07 2018 21:14 infodemo.c
                             rmittal
                                          staff
8595917140 -rw-r--r--
                             rmittal
                                          staff
                                                    767568 Apr 09 2018 21:45 README.pdf
8595919411 -rw-r--r--
                             rmittal
                                          staff
                                                      7268 Apr 09 2018 22:04 UnixLs.c
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug
8595787790 -rwxr-xr-x
                             rmittal
                                          staff
                                                      9176 Apr 08 2018 11:44 ass4
8595722366 drwxr-xr-x 17
                             rmittal
                                          staff
                                                       544 Apr 08 2018 20:31 CMakeFiles
8595789898 -rw-r--r--
                             rmittal
                                          staff
                                                      5672 Apr 08 2018 12:57 Makefile
8595789902 -rw-r--r--
                             rmittal
                                          staff
                                                      5944 Apr 08 2018 12:57 ass4.cbp
8595722558 -rw-r--r--
                                                      1279 Apr 07 2018 17:25 cmake install.cmake
                             rmittal
                                          staff
8595722546 -rw-r--r--
                             rmittal
                                          staff
                                                     20782 Apr 07 2018 17:25 CMakeCache.txt
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug/CMakeFiles
8595722375 drwxr-xr-x 6
                             rmittal
                                          staff
                                                       192 Apr 07 2018 17:26 3.9.6
8595722547 -rw-r--r--
                             rmittal
                                          staff
                                                        85 Apr 08 2018 12:57 cmake.check cache
8595722374 -rw-r--r--
                                          staff
                             rmittal
                                                      9817 Apr 07 2018 17:25 CMakeOutput.log
8595722548 drwxr-xr-x 13
                                          staff
                                                       416 Apr 08 2018 12:57 ass4.dir
                             rmittal
8595722543 -rwxr-xr-x
                             rmittal
                                          staff
                                                      4288 Apr 07 2018 17:25 feature tests.bin
8595722456 -rw-r--r--
                             rmittal
                                          staff
                                                       728 Apr 07 2018 17:25 feature tests.c
8595789906 -rw-r--r--
                                          staff
                                                      2660 Apr 08 2018 12:57 Makefile.cmake
                             rmittal
8595722405 drwxr-xr-x
                             rmittal
                                          staff
                                                        64 Apr 07 2018 17:25 CMakeTmp
                                                         2 Apr 08 2018 12:57 progress.marks
8595789904 -rw-r--r--
                             rmittal
                                          staff
                                          staff
8595789901 -rw-r--r--
                             rmittal
                                                       258 Apr 08 2018 12:57 TargetDirectories.txt
8595722557 -rw-r--r--
                             rmittal
                                          staff
                                                       677 Apr 07 2018 17:25 CMakeDirectoryInformation.cmake
8595722573 -rw-r--r--
                                          staff
                                                       291 Apr 08 2018 12:57 clion-log.txt
                             rmittal
                                          staff
8595722367 -rw-r--r--
                             rmittal
                                                        19 Apr 08 2018 12:57 clion-environment.txt
8595789905 -rw-r--r--
                             rmittal
                                          staff
                                                      3275 Apr 08 2018 12:57 Makefile2
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug/CMakeFiles/3.9.6
8595722455 -rwxr-xr-x
                             rmittal
                                          staff
                                                      4304 Apr 07 2018 17:25 CMakeDetermineCompilerABI C.bin
8595722378 drwxr-xr-x
                                          staff
                                                       160 Apr 07 2018 17:25 CompilerIdC
                             rmittal
8595722545 -rw-r--r--
                                          staff
                                                      2213 Apr 07 2018 17:25 CMakeCCompiler.cmake
                             rmittal
8595722377 -rw-r--r-- 1
                                          staff
                                                       362 Apr 07 2018 17:25 CMakeSystem.cmake
                             rmittal
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug/CMakeFiles/3.9.6/CompilerIdC
8595722380 -rw-r--r-- 1
                                          staff
                                                     17086 Apr 07 2018 17:25 CMakeCCompilerId.c
                             rmittal
8595722394 -rwxr-xr-x
                             rmittal
                                          staff
                                                      8616 Apr 07 2018 17:25 a.out
8595722379 drwxr-xr-x 2
                             rmittal
                                          staff
                                                        64 Apr 07 2018 17:25 tmp
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug/CMakeFiles/3.9.6/CompilerIdC/tmp
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4/cmake-build-debug/CMakeFiles/ass4.dir
8595784692 -rw-r--r--
                                                       764 Apr 08 2018 11:12 DependInfo.cmake
                             rmittal
                                          staff
8595787781 -rw-r--r--
                             rmittal
                                          staff
                                                       381 Apr 08 2018 11:44 depend.internal
8595787786 -rw-r--r--
                             rmittal
                                          staff
                                                      2224 Apr 08 2018 11:44 UnixLs.c.o
8595787780 -rw-r--r--
                             rmittal
                                          staff
                                                       287 Apr 08 2018 11:44 depend.make
                                          staff
                                                      3904 Apr 08 2018 11:44 commands.c.o
8595787785 -rw-r--r--
                             rmittal
8595722553 -rw-r--r--
                             rmittal
                                          staff
                                                       265 Apr 08 2018 12:57 cmake_clean.cmake
8595784691 -rw-r--r--
                             rmittal
                                          staff
                                                       182 Apr 08 2018 11:12 link.txt
8595784709 -rw-r--r--
                             rmittal
                                          staff
                                                       558 Apr 08 2018 11:44 C.includecache
8595789903 -rw-r--r--
                             rmittal
                                          staff
                                                        64 Apr 08 2018 12:57 progress.make
8595784689
                             rmittal
                                          staff
                                                      6403 Apr 08 2018 11:12 build.make
           -rw-r--r--
8595722551 -rw-r--r--
                             rmittal
                                          staff
                                                       219 Apr 07 2018 17:25 flags.make
```

```
/Users/rmittal/Desktop/MY SFU/CMPT300/ass3:
total 256
8594078922 -rw-r--r- 1 rmittal staff 12001 20 Mar 11:28 Assignment3.zip
8594131295 drwxr-xr-x 11 rmittal staff
                                          352 22 Mar 00:58 CMPT300-Assignment3
8594078807 -rw-r--r-@ 1 rmittal staff
                                        15761 18 Mar 17:28 list.c
8594078808 -rw-r--r-@ 1 rmittal staff
                                         3759 18 Mar 17:28 list.h
8595798399 -rw-r--r-- 1 rmittal staff
                                         8576 8 Apr 15:36 list.o
8595798417 -rwxr-xr-x 1 rmittal staff
                                        28596 8 Apr 15:36 main
8594078582 -rw-r--r-@ 1 rmittal staff
                                         6028 20 Mar 11:23 main.c
8595798414 -rw-r--r-- 1 rmittal staff
                                         6684 8 Apr 15:36 main.o
8594078090 -rw-r--r-@ 1 rmittal staff
                                          223 20 Mar 11:25 makefile
8594078058 -rw-r--r-- 1 rmittal staff
                                        14838 20 Mar 11:22 simulator.c
8594078059 -rw-r--r-- 1 rmittal
                                 staff
                                         1694 20 Mar 10:50 simulator.h
8595798411 -rw-r--r- 1 rmittal staff 14140 8 Apr 15:36 simulator.o
/Users/rmittal/Desktop/MY SFU/CMPT300/ass4:
total 1856
8595831511 -rw-r--r- 1 rmittal staff
                                          108 8 Apr 20:04 CMakeLists.txt
                                       767568 9 Apr 21:45 README.pdf
8595917140 -rw-r--r-@ 1 rmittal staff
8595919447 -rwxr-xr-x 1 rmittal staff
                                        14468 9 Apr 22:04 UnixLs
                                         7268 9 Apr 22:04 UnixLs.c
8595919411 -rw-r--r-- 1 rmittal staff
8595919439 -rw-r--r-- 1 rmittal staff
                                        13460 9 Apr 22:04 UnixLs.o
8594363939 -rw-r--r-@ 1 rmittal staff 120299 26 Mar 20:22 assignment4.pdf
8595722365 drwxr-xr-x 9 rmittal staff
                                          288 8 Apr 20:31 cmake-build-debug
8595788211 -rw-r--r-- 1 rmittal staff
                                         3724 8 Apr 11:46 commands.o
8595739518 -rw-r--r-@ 1 rmittal staff
                                          798 7 Apr 21:14 infodemo.c
8595790128 -rw-r--r- 1 rmittal staff
                                          211 8 Apr 13:00 makefile
d207-023-218-113:ass4 rmittal$ ./UnixLs -il /Users/rmittal/Desktop/MY SFU/CMPT300/ass4 /Users/rmittal/Desktop/MY SFU/CMPT300/ass3
/Users/rmittal/Desktop/MY_SFU/CMPT300/ass4
8595722365 drwxr-xr-x 9
                                                      288 Apr 08 2018 20:31 cmake-build-debug
                            rmittal
                                         staff
8595919447 -rwxr-xr-x
                                                    14468 Apr 09 2018 22:04 UnixLs
                            rmittal
                                         staff
8595831511 -rw-r--r--
                                                      108 Apr 08 2018 20:04 CMakeLists.txt
                            rmittal
                                         staff
8595790128 -rw-r--r--
                            rmittal
                                         staff
                                                      211 Apr 08 2018 13:00 makefile
8595919439 -rw-r--r--
                            rmittal
                                         staff
                                                    13460 Apr 09 2018 22:04 UnixLs.o
8595788211 -rw-r--r--
                                                     3724 Apr 08 2018 11:46 commands.o
                            rmittal
                                         staff
8594363939 -rw-r--r--
                                                   120299 Mar 26 2018 20:22 assignment4.pdf
                            rmittal
                                         staff
8595739518 -rw-r--r--
                            rmittal
                                         staff
                                                      798 Apr 07 2018 21:14 infodemo.c
8595917140 -rw-r--r--
                            rmittal
                                         staff
                                                   767568 Apr 09 2018 21:45 README.pdf
8595919411 -rw-r--r--
                                                     7268 Apr 09 2018 22:04 UnixLs.c
                             rmittal
                                         staff
/Users/rmittal/Desktop/MY SFU/CMPT300/ass3
8595798414 -rw-r--r-- 1
                            rmittal
                                         staff
                                                     6684 Apr 08 2018 15:36 main.o
8594078058 -rw-r--r--
                            rmittal
                                         staff
                                                    14838 Mar 20 2018 11:22 simulator.c
8594078807 -rw-r--r--
                            rmittal
                                         staff
                                                    15761 Mar 18 2018 17:28 list.c
8594078090 -rw-r--r-- 1
                            rmittal
                                         staff
                                                      223 Mar 20 2018 11:25 makefile
8594131295 drwxr-xr-x 11
                                                      352 Mar 22 2018 00:58 CMPT300-Assignment3
                            rmittal
                                         staff
8594078808 -rw-r--r-- 1
                                                     3759 Mar 18 2018 17:28 list.h
                            rmittal
                                         staff
8595798399 -rw-r--r--
                                                     8576 Apr 08 2018 15:36 list.o
                            rmittal
                                         staff
                                                     1694 Mar 20 2018 10:50 simulator.h
8594078059 -rw-r--r--
                            rmittal
                                         staff
8595798411 -rw-r--r--
                                                    14140 Apr 08 2018 15:36 simulator.o
                            rmittal
                                         staff
8594078582 -rw-r--r--
                                                     6028 Mar 20 2018 11:23 main.c
                            rmittal
                                         staff
8594078922 -rw-r--r--
                            rmittal
                                         staff
                                                    12001 Mar 20 2018 11:28 Assignment3.zip
8595798417 -rwxr-xr-x 1
                            rmittal
                                         staff
                                                    28596 Apr 08 2018 15:36 main
```

d207-023-218-113:ass4 rmittal\$ ls -il /Users/rmittal/Desktop/MY SFU/CMPT300/ass4 /Users/rmittal/Desktop/MY SFU/CMPT300/ass3

d207-023-218-113:ass4 rmittal\$

```
total 0
   729604 drwx----@ 4 rmittal staff
                                     128 24 Mar 13:57 Applications
   636220 drwx----@ 11 rmittal
                                      352 9 Apr 22:13 Desktop
                               staff
   636204 drwx----@ 5 rmittal
                                      160 13 Feb 15:07 Documents
                               staff
   636206 drwx----+ 100 rmittal
                               staff
                                     3200 9 Apr 21:45 Downloads
8591695077 drwxr-xr-x
                     8 rmittal
                               staff
                                      256 21 Jan 13:09 IdeaProjects
   636208 drwx----@ 66 rmittal staff
                                     2112 10 Feb 12:15 Library
   636260 drwx----+ 3 rmittal staff 96 28 Nov 15:04 Movies
   636262 drwx----+ 4 rmittal
                               staff 128 30 Nov 01:56 Music
   636264 drwx----+ 6 rmittal staff 192 18 Mar 23:10 Pictures
   636266 drwxr-xr-x+ 5 rmittal staff 160 28 Nov 15:04 Public
[d207-023-218-113:ass4 rmittal$ ./UnixLs -il ~
636262 drwx---- 4
                      rmittal
                                  staff 128 Nov 30 2017 01:56 Music
636264 drwx---- 6
                                             192 Mar 18 2018 23:10 Pictures
                      rmittal
                                  staff
636220 drwx---- 11
                      rmittal
                                             352 Apr 09 2018 22:13 Desktop
                                 staff
636208 drwx---- 66
                      rmittal
                                 staff
                                            2112 Feb 10 2018 12:15 Library
                                             160 Nov 28 2017 15:04 Public
636266 drwxr-xr-x 5
                      rmittal
                                  staff
636260 drwx---- 3
                                              96 Nov 28 2017 15:04 Movies
                      rmittal
                                  staff
729604 drwx---- 4
                      rmittal
                                  staff
                                             128 Mar 24 2018 13:57 Applications
                                                256 Jan 21 2018 13:09 IdeaProjects
8591695077 drwxr-xr-x
                     8 rmittal staff
636204 drwx----- 5 rmittal
                                       160 Feb 13 2018 15:07 Documents
                                  staff
                                            3200 Apr 09 2018 21:45 Downloads
636206 drwx---- 100
                      rmittal
                                  staff
```

[d207-023-218-113:ass4 rmittal\$ ls -il ~

```
[d207-023-218-113:ass4 rmittal$ ./UnixLs shdhas
./UnixLs shdhas: No such file or directory.
[d207-023-218-113:ass4 rmittal$ ./UnixLs /Users/rmittal/Desktop/MY SFU/CMPT300/ass4 -il
./UnixLs: Commands have to come before directories names.
[d207-023-218-113:ass4 rmittal$ ./UnixLs -imki /Users/rmittal/Desktop/MY SFU/CMPT300/ass4
./UnixLs: Commands can only contain i, l and R (in any combination).
[d207-023-218-113:ass4 rmittal$ ./UnixLs -il /Users/rmittal/Desktop/MY SFU/CMPT300/ass4 -il /Users/rmittal/Desktop/MY SFU/CMPT300/ass4
./UnixLs: Commands have to come before directories names.
[d207-023-218-113:ass4 rmittal$ ./UnixLs -
./UnixLs: Commands can only contain i, l and R (in any combination).
[d207-023-218-113:ass4 rmittal$ ./UnixLs ./UnixLs
./UnixLs ./UnixLs: No such file or directory.
[d207-023-218-113:ass4 rmittal$ ./UnixLs Anything u want to add
./UnixLs Anything: No such file or directory.
[d207-023-218-113:ass4 rmittal$ ./UnixLs -i -l -li -ii -illiliilililillilil
8595722365 drwxr-xr-x 9 rmittal
                                         staff 288 Apr 08 2018 20:31 cmake-build-debug
8595919447 -rwxr-xr-x 1 rmittal
                                         staff
                                                    14468 Apr 09 2018 22:04 UnixLs
8595831511 -rw-r--r-- 1 rmittal
                                                      108 Apr 08 2018 20:04 CMakeLists.txt
                                         staff
8595790128 -rw-r--r-- 1 rmittal
                                         staff
                                                      211 Apr 08 2018 13:00 makefile
8595919439 -rw-r--r-- 1 rmittal
                                         staff
                                                    13460 Apr 09 2018 22:04 UnixLs.o
8595788211 -rw-r--r-- 1
                            rmittal
                                         staff
                                                     3724 Apr 08 2018 11:46 commands.o
                                                   120299 Mar 26 2018 20:22 assignment4.pdf
8594363939 -rw-r--r-- 1
                             rmittal
                                         staff
8595739518 -rw-r--r-- 1 rmittal
                                         staff
                                                      798 Apr 07 2018 21:14 infodemo.c
8595917140 -rw-r--r-- 1 rmittal
                                         staff
                                                   767568 Apr 09 2018 21:45 README.pdf
8595919411 -rw-r--r--
                             rmittal
                                                     7268 Apr 09 2018 22:04 UnixLs.c
                                         staff
```