## The Cooper Union

PSET #2: Program Sample Runs

ECE-357

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```
./find
bash-4.2$
                                                        2048 Oct 05 23:26
 73533061
               2 drwxr-xr-x
                              2
                                 eric.xu students
                                                       13496 Oct 05 23:09 ./a.out
 73535740
              14 -rwxr-xr-x
                              1
                                 eric.xu students
 73536064
                                                       13496 Oct 05 23:24 ./find
              14 -rwxr-xr-x
                              1
                                 eric.xu students
                                                        4271 Oct 05 23:09 ./find.c
 73536588
               5 -rw-r--r--
                              1
                                 eric.xu students
                                                          38 Oct 05 23:20 ./Makefile
 73536604
               1 -rw-r--r--
                               1
                                 eric.xu students
         find -ls
bash-4.2$
73533061
            2 drwxr-xr-x
                                                    2048 Oct
                                                              5 23:26
                           2 eric.xu students
73535740
           14 -rwxr-xr-x
                                                   13496 Oct
                                                              5 23:09 ./a.out
                           1 eric.xu students
73536064
                                                   13496 Oct
                                                              5 23:24 ./find
           14 -rwxr-xr-x
                           1 eric.xu students
                                                              5 23:09 ./find.c
73536588
            5
                                                    4271 Oct
              -rw-r--r--
                           1 eric.xu students
73536604
                                                              5 23:20 ./Makefile
            1
                            1 eric.xu students
                                                      38 Oct
              -rw-r--r--
```

```
bash-4.2$ ./find /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR
73533259
               2 drwxr-xr-x 4 eric.xu students
                                                         2048 Oct 05 23:32 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR
73533269
               2 drwxr-xr-x
                              2 eric.xu students
                                                         2048 Oct 05 23:30 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1
73536646
                                 eric.xu students
                 -rw-r--r--
                                                            0 Oct 05 23:28 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1/hello.txt
                                                           0 Oct 05 23:28 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1/hello1.txt
73536648
                ---X--X
                                 eric.xu students
73533271
               2 drwxr-xr-x
                              4 eric.xu students
                                                         2048 Oct 05 23:31 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2
                              2 eric.xu students
2 eric.xu students
73533475
               2 drwxr-xr-x
                                                         2048 Oct 05 23:29 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_1
                                                         2048 Oct 05 23:31 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_2
0 Oct 05 23:29 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_2/pi.txt
               2 drwxr-xr-x
73533479
73536652
                              1 eric.xu students
                -rwxrwxrwx
73536658
                              1 eric.xu students
                                                           46 Oct 05 23:30 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/testSym -> /afs/ee.cooper.edu/user/e/
               1 lrwxr-xr-x
eric.xu/TESTDIR/DIR2
bash-4.2$ find /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR -ls
73533259
            2 drwxr-xr-x
                          4 eric.xu students
                                                    2048 Oct 5 23:32 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR
                                                              5 23:30 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1
73533269
                                                    2048 Oct
            2 drwxr-xr-x
                           2 eric.xu students
73536646
            0 -rw-r--r--
                           1 eric.xu students
                                                        0 Oct
                                                              5 23:28 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1/hello.txt
73536648
                                                              5 23:28 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR1/hello1.txt
            0 ---x--x
                           1 eric.xu students
                                                       0 Oct
73533271
            2 drwxr-xr-x
                           4 eric.xu
                                      students
                                                    2048 Oct
                                                              5 23:31 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2
                                                    2048 Oct
73533475
            2 drwxr-xr-x
                           2 eric.xu students
                                                              5 23:29 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_1
                                                    2048 Oct
                                                              5 23:31 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_2
3533479
            2 drwxr-xr-x
                           2 eric.xu students
                                                              5 23:29 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/DIR2/DIR2_2/pi.txt
3536652
                           1 eric.xu students
                                                       0 Oct
            0 -rwxrwxrwx
            1 lrwxr-xr-x
                                                              5 23:30 /afs/ee.cooper.edu/user/e/eric.xu/TESTDIR/testSym -> /afs/ee.cooper.edu/user/e/eric
3536658
                           1 eric.xu students
                                                      46 Oct
xu/TESTDIR/DIR2
```

Comparison of program output and find -ls

```
./find ./notadirectory
ccured when attempting to open directory. Error code: No such file or directory. File: ./notadirectory.
```

Error when trying to open a directory that doesn't exist