Test script 1:

```
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ ./test1.sh
total 76
-rw-r--r-- 1 aidan aidan  4820 Oct 25 11:46 commands.c
drwxr-xr-x 2 aidan aidan  4096 Oct 25 11:20 headers
-rw-r--r-- 1 aidan aidan    75 Oct 25 09:47 in.txt
-rw-r--r-- 1 aidan aidan   344 Oct 20 14:19 makefile
-rw-r--r-- 1 aidan aidan   130 Oct 25 10:21 out
-rw-r--r-- 1 aidan aidan  1186 Oct 25 11:33 queue.c
-rwxr-xr-x 1 aidan aidan 21864 Oct 25 11:33 shell
-rw-r--r-- 1 aidan aidan  2760 Oct 25 11:43 shell.c
-rwxr-xr-x 1 aidan aidan   309 Oct 25 10:53 test1.sh
-rwxr-xr-x 1 aidan aidan   63? Oct 25 11:48 test2.sh
-rw-r--r-- 1 aidan aidan    18 Oct 25 11:48 testfile.out
-rw-r--r-- 1 aidan aidan    18 Oct 25 11:48 testfile2.out
drwxr-xr-x 2 aidan aidan  4096 Oct 20 14:59 tests
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ echo $?
17
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ cat testfile.out
TESTINGTESTING123
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ cat testfile2.out
TESTINGTESTING123
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ |
```

Test script 2:

```
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ ./test2.sh
/tmp
/home/aidan
./test2.sh: line 14: lsssssss: command not found
./test2.sh: line 17: testfile.out: Permission denied
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ echo $?
1
```

<mark>SHELL IN ACTION ON NEXT PAGE</mark>

Shell in action:

```
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ ./shell
ls -ai
660096 .          660117 headers    660115 out        660237 shell.c    660238 test2.sh      660144 tests
660054 ..         660229 in.txt     660234 queue.c   660240 sigterm.sh  660145 testfile.out
660231 commands.c 660140 makefile  660236 shell      660233 test1.sh    660239 testfile2.out

Child process 15395 executed command 'ls' and exited normally with status: 0
Real: 0.002s User: 0.002s Sys: 0.000s

cd tests
pwd
/home/aidan/repos/ece357/ps3/q3/tests
ls
queue_test.c

Child process 15396 executed command 'ls' and exited normally with status: 0
Real: 0.002s User: 0.003s Sys: 0.000s

cd ..
cat testfile.out
TESTINGTESTING123

Child process 15397 executed command 'cat' and exited normally with status: 0
Real: 0.001s User: 0.004s Sys: 0.000s

ls lasdjkj aklsjdad
ls: cannot access 'lasdjkj': No such file or directory
ls: cannot access 'aklsjdad': No such file or directory

Child process 15398 executed command 'ls' and exited normally with status: 2
Real: 0.002s User: 0.006s Sys: 0.000s

exit
aidan@aidanlaptop:~/repos/ece357/ps3/q3$ echo $?
2
```