

1.4

```
general.asu.edu - PuTTY
zlhul@general1:~/cse240$ rm d1,d2,d3
rm: cannot remove 'd1,d2,d3': Is a directory
zlhul@general1:~/cse240$ cd -
/afs/asu.edu/users/z/l/h/zlhul
zlhul@general1:~$ rm -rf cse240
zlhul@general1:~$ ls-l
-bash: ls-l: command not found
zlhul@general1:~$ mkdir cse240
zlhul@general1:~$ cd cse240
zlhul@general1:~/cse240$ mkdir d1
zlhul@general1:~/cse240$ mkdir d2
zlhul@general1:~/cse240$ mkdir d3
zlhul@general1:~/cse240$ cd d1
zlhul@general1:~/cse240/d1$ vi hello.c
zlhul@general1:~/cse240/d1$ gcc hello.c -o
gcc: error: missing filename after '-o'
zlhul@general1:~/cse240/d1$ gcc hello.c -o hello
hello.c: In function 'main':
hello.c:5:1: error: expected ';' before '}' token
}
^
zlhul@general1:~/cse240/d1$ nano hello.c
zlhul@general1:~/cse240/d1$ gcc hello.c -o hello
zlhul@general1:~/cse240/d1$ ls
hello  hello.c
zlhul@general1:~/cse240/d1$ ls -l
total 10
-rwxrwxr-x. 1 zlhul zlhul 8440 Jan  9 10:02 hello
-rw-rw-r--. 1 zlhul zlhul  75 Jan  9 10:02 hello.c
zlhul@general1:~/cse240/d1$ ls -al
total 14
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:02 .
drwxrwxr-x. 5 zlhul zlhul 2048 Jan  9 09:59 ..
-rwxrwxr-x. 1 zlhul zlhul 8440 Jan  9 10:02 hello
-rw-rw-r--. 1 zlhul zlhul  75 Jan  9 10:02 hello.c
zlhul@general1:~/cse240/d1$ ./hello
zlhul@general1:~/cse240/d1$ ./hello
Hello. My name is Zhi Li Huzlhul@general1:~/cse240/d1$
```

1.5

```
zlhul@general1:~/cse240/d2$ cd -
/afs/asu.edu/users/z/l/h/zlhul/cse240
zlhul@general1:~/cse240$ ls -l
total 6
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:02 d1
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 09:59 d2
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 09:59 d3
zlhul@general1:~/cse240$ cd d1
zlhul@general1:~/cse240/d1$ cp hello.c hello ../d2
zlhul@general1:~/cse240/d1$ cd -
/afs/asu.edu/users/z/l/h/zlhul/cse240
zlhul@general1:~/cse240$ cd d2
zlhul@general1:~/cse240/d2$ ls -al
total 14
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:09 .
drwxrwxr-x. 5 zlhul zlhul 2048 Jan  9 09:59 ..
-rwxrwxr-x. 1 zlhul zlhul 8440 Jan  9 10:09 hello
-rw-rw-r--. 1 zlhul zlhul  75 Jan  9 10:09 hello.c
zlhul@general1:~/cse240/d2$
```

1.6

```
zlhul@general1:~/cse240/d2$ chmod 660 hello
zlhul@general1:~/cse240/d2$ ls -l
total 10
-rw-rw----. 1 zlhul zlhul 8440 Jan  9 10:09 hello
-rw-rw-r--. 1 zlhul zlhul   75 Jan  9 10:09 hello.c
zlhul@general1:~/cse240/d2$ ./hello
-bash: ./hello: Permission denied
```

```
zlhul@general1:~/cse240/d2$ ls -l
total 10
-rw-rw----. 1 zlhul zlhul 8440 Jan  9 10:09 hello
-rw-rw-r--. 1 zlhul zlhul   75 Jan  9 10:09 hello.c
zlhul@general1:~/cse240/d2$ chmod ugo-rw hello
zlhul@general1:~/cse240/d2$ ls -l
total 10
-----. 1 zlhul zlhul 8440 Jan  9 10:09 hello
-rw-rw-r--. 1 zlhul zlhul   75 Jan  9 10:09 hello.c
zlhul@general1:~/cse240/d2$ chmod ugo+x hello
-bash: chmod: command not found
zlhul@general1:~/cse240/d2$ chmod ugo+x hello
zlhul@general1:~/cse240/d2$ ls -l
total 10
---x---x. 1 zlhul zlhul 8440 Jan  9 10:09 hello
-rw-rw-r--. 1 zlhul zlhul   75 Jan  9 10:09 hello.c
zlhul@general1:~/cse240/d2$ ./hello
Hello. My name is Zhi Li Hu
zlhul@general1:~/cse240/d2$
```

1.7

```
Hello. My name is Zhi Li Hu
zlhul@general1:~/cse240/d2$ cd -
/afs/asu.edu/users/z/l/h/zlhul/cse240
zlhul@general1:~/cse240$ ls -l
total 6
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:02 d1
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:09 d2
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 09:59 d3
zlhul@general1:~/cse240$ rm -rf d2
zlhul@general1:~/cse240$ ls -l
total 4
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 10:02 d1
drwxrwxr-x. 2 zlhul zlhul 2048 Jan  9 09:59 d3
zlhul@general1:~/cse240$
```

