HW #6

Part1:

Since the inode file system keeps inodes containing information about that specific file, to access /foo/bar, you would first find the inode of /foo. From there you can look up the inode for /bar. It would take two disk accesses to get to /foo to /bar through their inodes.

Part2: myls.c:

```
dereky1@barry-dylan:~/143a/hw/hw7
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cript started on Thu 17 Nov 2016 12:37:33 AM PST
 []0;dereky1@barry-dylan:~/143a/hw/hw7^G^[[?1034hdereky1@barry-dylan 00:37:33 ~/143a/hw/hw
$ make -^H^[[Kclean -f Makefile myls^M
rm myls'
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:37:45 ~/143a/hw/hw7 ^M^M
 gcc -o myls myls.c -I.^
 Gmyls /var/www^1
 var/www:
drwx----- 10 dereky1 netdev 4096 Nov 14 19:13 2016 cgi-bin^M
drwx----- 10 dereky1 netdev 4096 Nov 14 19:13 2016 html^
/var/www/cgi-bin:^
total: 0
/var/www/html:^M
total: 0'
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:38:00 ~/143a/hw/hw7 ^M^M
$ myls /var/www^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K../hw7
../hw7:^
total: 0^1
-rw-r--r-- 1 dereky1 netdev 1605 Nov 16 19:40 2016 test myls.py^M
-rwx----- 1 derekyl netdev 13272 Nov 17 0:37 2016 myls
-rw-r--r-- 1 dereky1 netdev 176 Nov 14 18:54 2016 Makefile_mydu^M
-rw-r--r- 1 derekyl netdev 1983 Nov 17 0:28 2016 mydu.c^M
-rw-r--r- 1 derekyl netdev 3066 Nov 17 0:33 2016 myls.c^M
-rw-r--r- 1 derekyl netdev 172 Nov 16 16:03 2016 Makefile_myls^M
-rwx----- 1 dereky1 netdev 9066 Nov 17 0:20 2016 mydu^
-rw------ 1 derekyl netdev 0 Nov 17 0:37 2016 typescript^M
-rw-r--r-- 1 derekyl netdev 1455 Nov 16 19:40 2016 test_mydu.py
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:38:09 ~/143a/hw/hw7 ^M^M
$ exit^
exit^1
Script done on Thu 17 Nov 2016 12:38:19 AM PST
                                                                         1,1
```

Submitter: dereky1(Yang, Derek)

Part3: mydu.c:

```
dereky1@barry-dylan:~/143a/hw/hw7
                                                                                   X
cript started on Thu 17 Nov 2016 12:38:41 AM PST
 []0;dereky1@barry-dylan:~/143a/hw/hw7^G^[[?1034hdereky1@barry-dylan 00:38:41 ~/143a/hw/hw
$ make clean -f Makefile mydu^N
rm mydu^
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:38:50 ~/143a/hw/hw7
gcc -o mydu mydu.c -I.
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:38:56 ~/143a/hw/hw7 ^M^M
 mydu /var/www^
       /var/www
       /var/www/cgi-bin^M
 []0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:39:03 ~/143a/hw/hw7 ^M^M
 mydu /var/www^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[[K^H^[K../hw7^h
       ../hw7/test_myls.py^1
       ../hw7/myls
       ../hw7/Makefile_mydu^M
       ../hw7/mydu.c/
       ../hw7/myls.c
       ../hw7/Makefile_myls^M
       ../hw7/mydu^M
../hw7/typescript^M
../hw7/myls_report^
 ../hw7/test_mydu.py^M
[]0;dereky1@barry-dylan:~/143a/hw/hw7^Gdereky1@barry-dylan 00:39:21 ~/143a/hw/hw7 ^M^M
$ exit^
exit^M
Script done on Thu 17 Nov 2016 12:39:34 AM PST
"mydu_report" 30L, 1019C
```