

Benjamin Kaplan

Interactive Shell (include IO redirection and script interpretation)

```
=====
binyamin@BenjaminButtox:~/Documents$ ./a.out
ls
a.out      baby.c  file10.txt >file2.txt  ls.c      project3.c  test16.txt~
aproject3.c baby.c~  file15.txt file2.txt   ls.c~     project3.c~ testme.sh
baby       cat.out  file1.txt  ls          newfile    test16.txt  testme.sh~
CPU:  0.004 | User: 0.003 | Real:0.007
ls -la
total 108
drwxr-xr-x  2 binyamin binyamin 4096 Nov  6 23:57 .
drwxr-xr-x 26 binyamin binyamin 4096 Nov  5 18:04 ..
-rwxrwxr-x  1 binyamin binyamin 12231 Nov  6 23:57 a.out
-rw-rw-r--  1 binyamin binyamin 2502 Nov  4 23:43 aproject3.c
-rwxrwxr-x  1 binyamin binyamin 7196 Nov  5 20:02 baby
-rw-rw-r--  1 binyamin binyamin 452 Nov  5 20:02 baby.c
-rw-rw-r--  1 binyamin binyamin 400 Nov  5 13:17 baby.c~
-rw-rw-r--  1 binyamin binyamin 40 Nov  6 23:46 cat.out
-----  1 binyamin binyamin 174 Nov  5 22:49 file10.txt
-rw-rw-rw-  1 binyamin binyamin 1189 Nov  6 23:34 file15.txt
-rw-rw-r--  1 binyamin binyamin 16 Nov  5 20:09 file1.txt
-rw-rw-rw-  1 binyamin binyamin 0 Nov  5 20:10 >file2.txt
-rw-rw-rw-  1 binyamin binyamin 1027 Nov  5 22:34 file2.txt
-rwxrwxr-x  1 binyamin binyamin 7156 Nov  5 01:45 ls
-rw-rw-r--  1 binyamin binyamin 106 Nov  5 01:45 ls.c
-rw-rw-r--  1 binyamin binyamin 106 Nov  5 01:45 ls.c~
-rw-rw-r--  1 binyamin binyamin 0 Nov  5 01:23 newfile
-rw-rw-r--  1 binyamin binyamin 5778 Nov  6 23:40 project3.c
-rw-rw-r--  1 binyamin binyamin 5776 Nov  6 23:40 project3.c~
-rw-rw-r--  1 binyamin binyamin 65 Nov  6 23:53 test16.txt
-rw-rw-r--  1 binyamin binyamin 60 Nov  6 23:52 test16.txt~
-rwxrwxr-x  1 binyamin binyamin 108 Nov  6 23:52 testme.sh
-rwxrwxr-x  1 binyamin binyamin 108 Nov  6 23:47 testme.sh~
CPU:  0.004 | User: 0.005 | Real:0.009
ls >file1.txt
file to REDIRECT STDOUT: file1.txt
CPU:  0.007 | User: 0.003 | Real:0.010
cat file1.txt
a.out
aproject3.c
baby
baby.c
baby.c~
cat.out
file10.txt
file15.txt
file1.txt
>file2.txt
file2.txt
ls
ls.c
ls.c~
newfile
project3.c
project3.c~
test16.txt
test16.txt~
testme.sh
testme.sh~
CPU:  0.005 | User: 0.002 | Real:0.007
cd /home/binyamin/Downloads
Directory changed to '/home/binyamin/Downloads'
ls
google-chrome-stable_current_amd64 (1).deb  project3.c
google-chrome-stable_current_amd64.deb     project3.c~
```

```
Kaplan_Benjamin_0083602_11_5_2017.pdf      pset-w03.ps
CPU:  0.003 | User: 0.002 | Real:0.005
exit 5
binyamin@BenjaminButtox:~/Documents$ echo $?
5
binyamin@BenjaminButtox:~/Documents$ ./testme.sh
this is text
this is a second line of text
CPU:  0.005 | User: 0.006 | Real:0.011
this is text
this is a second line of text
CPU:  0.007 | User: 0.008 | Real:0.015
binyamin@BenjaminButtox:~/Documents$ echo $?
123
```