* Using make

make

* Shell created ./myshell
* Testing a built in command

Shell = LAPTOP-10Q28J35/home/zahmad~>cd

/home/zahmad

Shell = LAPTOP-10Q28J35/home/zahmad~>cd /home

Shell = LAPTOP-10Q28J35/home/~>

Shell = LAPTOP-10Q28J35/home/zahmad~>dir

* Just prints current dir
* Cd and then dir is how I print specific directories :(

myshell.c

MYps.c

readme\_doc

..

.

.dbus

Shell = LAPTOP-10Q28J35/home/zahmad~>pause

Paused, click enter to unpause: Paused, click enter to unpause: l

Paused, click enter to unpause: a

Paused, click enter to unpause: \n

Shell resumed

* Testing non - built in commands

Shell=LAPTOP-10Q28J35/home/zahmad~>ls

Batchfile.txt myshell.c MYps.c Makefile builtInCommands.h

Shell=LAPTOP-10Q28J35/home/zahmad~>cat Makefile

myshell: myshell.c builtInCommands.h

gcc -o myshell myshell.c

* redirection

Shell=LAPTOP-10Q28J35/home/zahmad~>ls > output.txt

Shell=LAPTOP-10Q28J35/home/zahmad~>cat output.txt

Batchfile.txt

Myshell.c

MYps.c

Makefile

builtInCommands.h

Batchfile.txt

Readme\_doc

Shell=LAPTOP-10Q28J35/home/zahmad~>ls >> output.txt

Shell=LAPTOP-10Q28J35/home/zahmad~> wc < input.txt

0 0 0

Shell=LAPTOP-10Q28J35/home/zahmad~> wc < input.txt > output.txt

0 0 0

wc: '<': No such file or directory

* Didn't make it handle multiple redirections :(
* Was not able to implement Pipes
* Background processes
* Shell=LAPTOP-10Q28J35/home/zahmad~>Ping –c 10 google.com &

PING google.com (142.250.65.206) 56(84) bytes of data.

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=1 ttl=115 time=20.6 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=2 ttl=115 time=21.2 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=3 ttl=115 time=20.3 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=4 ttl=115 time=23.0 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=5 ttl=115 time=21.5 ms

ls

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=6 ttl=115 time=33.1 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=7 ttl=115 time=21.8 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=8 ttl=115 time=21.6 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=9 ttl=115 time=19.4 ms

64 bytes from lga25s72-in-f14.1e100.net (142.250.65.206): icmp\_seq=10 ttl=115 time=21.6 ms

--- google.com ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9015ms

rtt min/avg/max/mdev = 19.431/22.413/33.058/3.661 ms

Shell=LAPTOP-10Q28J35/home/zahmad~>1sOutput.txt batchfile.txt hohoho.txt myfile.txt outputre.txt testdir.txt words.txt

MYps.c input.txt myshell oye.txt testecho.txt

Makefile builtInCommands.h jk.txt myshell.c readding.txt testenviron.txt

outo.txt readme\_doc testhelp.txt lsOutput.txt output.txt mum.txt

* Outputs next command even while process is running in background(ls)

Shell=LAPTOP-10Q28J35/home/zahmad~> ls -la > lsOutput.txt

Shell=LAPTOP-10Q28J35/home/zahmad~>wc < lsOutput.txt

32 281 1782

Shell=LAPTOP-10Q28J35/home/zahmad~>quit

zahmad@LAPTOP-10Q28J35:~$

zahmad@LAPTOP-10q28J35:~$ ./myshell batch

* A bunch of stuff
* All commands are ran and screen is printing as well as clears and quits at end