

UNIX LAB 2.1

```
cd Downloads
ls
gunzip zork-master.zip
unzip zork-master.zip
cd zork-master/
make
ls
./zork
ssh -l demo test.rebex.net
sftp demo@test.rebex.net
ls -a;
more .zhrc
cd ~
more .zhrc
ls -a
cd .zshrc
more .zshrc
cp .zshrc .zschrc_copy
ls
la -a
```

UNIX LAB 2.2

```
tar -czvf home_dict.tar.gz ~
find . -type d -maxdepth 1 -print0 | xargs -0 directories.txt -f '%N'
find . -type d -maxdepth 1
find . -type d > dictories.txt 2> errors.txt
sleep 5
sleep 5 &
sleep 15
bg
jobs
ps
fg
sleep 15 &
kill
bg
sleep 60
pkill
kill
ps
w
top
ps -aeH
ps -fae
grep ps -fae
ps -fae grep
sleep 300
cat ; nonexistent, echo world
cat nonexistent; echo hello
cat nonexistent; echo hello
echo hello; cat nonexistent\

cat nonexistent && echo hello\

echo hello && cat nonexistent\

cat nonexistent || echo hello\

echo hello || cat nonexistent\

find /home -type f | xargs grep "hello"\

w | cut -d ' ' -f1,7\

ps -eo user,%cpu --sort=-%cpu | head -n 10\

w | cut -d ' ' -f1,7 | sort -k2 -r | head -n 1\

exit
nat@Natalias-MacBook-Pro ~ $
```

UNIX LAB 2.3

```
ping www.sdsu.edu
ping -c 5 www.sdsu.edu
tracerout www.google.com
traceroute www.google.com
wget http://www.doc.ic.ac.uk/~wjk/UnixIntro/Exercise5.html\

sudo apt update
sudo apt install wget
wget http://www.doc.ic.ac.uk/~wjk/UnixIntro/Exercise5.html\

wget http://www.doc.ic.ac.uk/~wjk/UnixIntro/Exercise5.html\

brew install wget\

wget http://www.doc.ic.ac.uk/~wjk/UnixIntro/Exercise5.html\

cat Exercise5.html\

sed 's/<[^>]*>//g' Exercise5.html > plain_text.txt\

cat plain_text.txt
who
finger
who
write username
write nat
write nat
mesg n
mesg y
whoami
ps -u $USER | sed "s/$USER/me/g"
who | awk '{print $1}' | sort | uniq\

awk -F: '{print $1, $7}' /etc/passwd\

NR > 2\

awk -f skip2.awk filename.txt\

echo hello.c
vim hello.c
hellomake: hellomake.c hellofunc.c\
    gcc -o hellomake hellomake.c hellofunc.c -I.
vim hello.c
make
make hello.c
./hello
man -k
exit
nat@Natalias-MacBook-Pro ~ $
```

UNIX LAB 2.5

```
nano ~/.zshrc
source ~/.zshrc
mkdir ~/MY_EXECUTABLES
echo 'export PATH="$HOME/MY_EXECUTABLES:$PATH"' >> ~/.bash_profile\

source ~/.zshrc
echo $PATH
nano ~/.zshrc
source ~/.zshrc
mkdir test_directory\
touch test_directory/file1.txt test_dir/file2.txt\

ls
ls test_directory
touch file2.txt
ls
cd test_directory
ls
test_directory/file2.txt
ls
touch test_directory/file2.txt
cd .
cd ..
touch test_directory/file2.txt
cd test_directory
ls
tar -czf test_archive.tar.gz test_dir\

tar -czf test_archive.tar.gz test_directory\

tar -czf test_archive.tar.gz test_directory
ls -ld
tar -czf test_archive.tar.gz test_directory\

ls -lh test_archive.tar.gz\

pwd\
ls\

cd ..
pwd\
ls\

tar -czf test_archive.tar.gz test_directory\

mkdir TMP
mv test_archive.tar.gz TMP/
cd TMP
extract test_archive.tar.gz\
```

```
nano ~/.zshrc
source ~/.zshrc
cp ~/.zshrc ~/Desktop/zshrc_assingment.txt
cp ~/.zshrc ~/Desktop/zshrc_assingment.txt
cd ~
ls
cd desktop
ls
exit
nat@Natalias-MacBook-Pro ~ $ █
```

