**CS3377.0W1 Week 3 Lab 1**

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**(Documentation with Terminal Log)**

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│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

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│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

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│ → For more info, ctrl+click on help or visit our website │

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1. **Create and edit new file name practice**

{cslinux1:~} vim practice

1. **Use ls to list files (including practice)**

{cslinux1:~} ls

hello hello.c perl5 practice public\_html testfile test.txt

{cslinux1:~} ls practice xxxx

ls: cannot access xxxx: No such file or directory

practice

{cslinux1:~} ls practice

Practice

1. **Use cat to display contents of practice file**

{cslinux1:~} cat practice

this is

my practice file.

1. **Use cp to copy practice file**

{cslinux1:~} cp practice

cp: missing destination file operand after ‘practice’

Try 'cp --help' for more information.

{cslinux1:~} cp practice practiceCopy

{cslinux1:~} ls

hello hello.c perl5 practice practiceCopy public\_html testfile test.txt

1. **Use rm to delete the original practice file (keeping the copy)**

{cslinux1:~} rm practice

rm: remove regular file ‘practice’? y

{cslinux1:~} ls

hello hello.c perl5 practiceCopy public\_html testfile test.txt

{cslinux1:~} cat practice

cat: practice: No such file or directory

1. **Use less to show large file in multiple screens**

{cslinux1:~} less /etc/services

1. **Use head to show first 10 lines of large file**

{cslinux1:~} head /etc/services

# /etc/services:

# $Id: services,v 1.55 2013/04/14 ovasik Exp $

#

# Network services, Internet style

# IANA services version: last updated 2013-04-10

#

# Note that it is presently the policy of IANA to assign a single well-known

# port number for both TCP and UDP; hence, most entries here have two entries

# even if the protocol doesn't support UDP operations.

# Updated from RFC 1700, ``Assigned Numbers'' (October 1994). Not all ports

1. **Use tail to show last 10 lines of large file**

{cslinux1:~} tail /etc//services

3gpp-cbsp 48049/tcp # 3GPP Cell Broadcast Service Protocol

isnetserv 48128/tcp # Image Systems Network Services

isnetserv 48128/udp # Image Systems Network Services

blp5 48129/tcp # Bloomberg locator

blp5 48129/udp # Bloomberg locator

com-bardac-dw 48556/tcp # com-bardac-dw

com-bardac-dw 48556/udp # com-bardac-dw

iqobject 48619/tcp # iqobject

iqobject 48619/udp # iqobject

matahari 49000/tcp # Matahari Broker

1. **Check hostname of this system**

{cslinux1:~} hostname

cslinux1.utdallas.edu

1. **Use mv to rename file**

{cslinux1:~} mv practiceCopy practiceCopyRename

{cslinux1:~} ls

hello hello.c perl5 practiceCopyRename public\_html testfile test.txt

1. **Use grep to search for string of chars in file**

{cslinux1:~} grep is practiceCopyRename

this is

1. **Use vim to create file named days**

{cslinux1:~} vim days

{cslinux1:~} cat days

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1. **Use sort to display days in alphabetical order**

{cslinux1:~} sort days

Friday

Monday

Saturday

Sunday

Thursday

Tuesday

Wednesday

1. **Use file to determine contents of file**

{cslinux1:~} file days

days: ASCII text

{cslinux1:~} file /etc/

/etc/: directory

{cslinux1:~} file /etc/services

/etc/services: C source, ASCII text

{cslinux1:~}