CS/SE 3377

Login and Basic Commands

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Terminal Login

- We will use cs1/cs2/cs3 servers for this course

- Install mobaXterm or Putty, or Xmanager

- Login using ssh

  > `ssh cs1.utdallas.edu`

- If accessing from outside UTD network, need VPN

  - Download VPN software from UTD OIT
    https://www.utdallas.edu/oit/howto/vpn/

Login prompt

Text displayed is from '/etc/issue' file

Login using id and password

You will see a shell prompt
        {cslinux1:~}

Message displayed after login is from /etc/motd

Command Line Interface (CLI)

Basic Commands

whoami
echo
pwd
man pwd
mkdir
cd
touch

Basic Commands

cat – concatenate several files and outputs to monitor

    In Linux, keyboard and monitor are considered as files

    By default, cat reads from keyboard

    Output can be redirected to a file using '>'

cp – copies source file to destination file

mv – moves a file

Basic Commands

ls
ls -l
rm
rmdir

Basic Commands

more - displays one screen at a time
less - same as more but more efficient (entire file is not read)

grep – searches file(s) for strings

uniq - displays contents of a file, skipping adjacent duplicate lines

sort – displays file in order by lines

head/tail

date

Archive Commands

zip – compress file

tar – combines many file(s) to one archive file (tar file/tar ball)

Read chapters 2 and 3 of Sobell

For 35 most basic commands of Linux:
https://www.hostinger.com/tutorials/linux-commands