

CSE 384 LECTURES

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LECTURE 1: FILES

REFERENCES FOR BASH

- "Basic UNIX commands" [[link](#)]
- "Bash Guide for Beginners" [[link](#)]
- "Advanced Bash-Scripting Guide" [[link](#)]

GETTING STARTED

Access Shell terminal in your computer

- Option 1: Web terminal
 - [<http://www.webminal.org/terminal/>]
- Option 2: Setting up Ubuntu through VirtualBox
 - TA will talk about this.

DIRECTORIES (1)

- List files and directories: `ls`
 - `ls ~`: list files in home directory
 - `ls .`, `ls`: current directory
 - `ls /`: root directory
 - `ls -al`: list all files in "long" format

DIRECTORIES (2)

- Enter a directory: `cd`
 - `cd ..`: go to parent directory
 - `cd`, `cd ~`: home directory
 - `cd /`: root directory

DIRECTORIES (3)

- Print the current pathname: `pwd`
- Create a directory: `mkdir`
 - `mkdir dir_a`

FILE MANAGEMENT

- Create a file: `touch`
 - `touch file_a`
- Move a file (change file name): `mv`
 - `mv file_a file_b`
- Copy a file: `cp`
 - `cp file_a file_b`
- Remove a file: `rm`
 - `rm file_a`

FILE MANAGEMENT (2)

- Read a file: `cat`, `more`
 - `cat file_a`
 - `more file_a`: use `q` to quit, `/` to search
- Write a file: `echo >>`
 - `echo "Alice Bob" >> file_a`
 - `echo "Alice" >> file_b,`
`echo "Alice" >> file_c`
- Show the number of lines/words/chars a file: `wc`
 - `wc file_a`

EXERCISE 1.1

1. Run command `ls -a /`. Copy and paste (C&P) the printout on BB.
2. Run command `cat file_b`. C&P printout on BB.
3. Create a directory `dir_b` under `dir_a` and enter it. C&P the commands on BB.
4. Create a text file named `file_d.txt` and put there the following string: `Charlie is a student`. Run `cat file_d.txt`.
 - C&P the list of commands and their printout on BB