

Department of Information Technology, Faculty of Computing

Unix directory structure

1) Log in to the system and type **pwd** to *print working directory*. Note down the *absolute path*, i.e. Pathname starting from /, i.e. root directory.

Absolute path name:

2) Now use **cd** command to change your directory to /. Type **ls -l** and observe the different fields that can be seen in the output.

How can you recognize file/directory by looking at this output? Do you have the read, write, or execute permission to these files/directories? What do these fields mean?

3) Visit following directories.

/bin, /home, /dev, /etc, /lib

Type **ls -l** under each directory. Can you interpret the output of **ls -l** command? Check the very first letter of the each line when you type **ls -l** under /dev directory.

4) Use following methods to go back to your home directory.

cd

cd ~

cd \$HOME

Can you distinguish the difference among **cd**, **cd .**, **cd ..** commands?

Refreshing VIM

- 5) Use the *cricketers.txt* file you created in the lab exercise 3 to continue the activities.
- 6) Add the following two names to the locations given with them. (Hints: In Command Mode, ‘o’ and ‘O’ are used to open a line above and below a particular line)
Steve Waugh Australia below the line consisting **Grant Flower South Africa**
Imran Khan Pakistan below the line consisting **Sachin Tendulkar India**
- 7) Delete **Mark Waugh Australia** and paste it below the line consisting **Andy Flower South Africa** (Hints: In Command Mode, ‘dd’ and ‘p’ can be used for deleting a whole line and paste what you deleted last) Save and quit the file.
- 8) Open the file *cricketers.txt* and move the cursor so that it is on top of the character ‘i’ in the line **Tim Flower South Africa**. Make sure that you are in *Command Mode*, type ‘r’ and then the character ‘o’. Come back to *Command Mode*. Now repeat the same to change the name **Tom** to **Tim** at the last line.
- 9) In *Command Mode*, place the cursor on l in **Saheed Alahi Pakistan**. Type ‘cw’ and correct the word to **Answer** (by typing ‘nwer’).
- 10) Make a directory ‘lab4’ and move the file *cricketers.txt* to directory ‘lab4’. Now change your Directory to ‘lab4’