



CIS*2520 LAB 1

Introductory Material

YOUR TAS

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LAB TIMES

- 101: Mondays 9:30 – 11:30 am
 - Rozanski Hall 108
- 102: Tuesday 12:00 – 2:00 pm
 - Rozanski Hall 109
- 103: Wednesdays 9:30 – 11:30 am
 - MacKinnon 029



MOODLE

- moodle.cis.uoguelph.ca
- Login:
 - ID: *Your central login*
 - Password: *7 digit id*
 - Enrollment key: *cis2520*
- Resources:
 - Lecture notes, assignments, labs, etc.
- Forums
- Assignment submissions



LOGGING IN

- Click on:
 - Options – Remote Login – Enter Hostname
 - Type in “ubuntu”
 - Brings up Ubuntu login screen.
- Login:
 - Central login
 - Password: 7 digit student id



USEFUL LINUX COMMANDS

- mkdir – make directory
 - Syntax: mkdir <name>
- cd – change directory
 - Syntax: cd <path>
- cd .. – goes up a directory
- cd / - goes to root
- cd ~ - goes to home directory
- cp – copy files
 - Syntax: cp <sourcefile> <destination>
- mv – move files
 - Syntax: mv <sourcefiles> <destination>



USEFUL LINUX COMMANDS CONT

- `rm` – remove or delete
 - Syntax: `rm <filenames>`
 - Deletion using this command is permanent
 - Use with cautions
- `rmdir` – similar to `rm`
- `ls` – list directory contents
- `tar` – create a compressed archive file
 - Compression: `tar -zcvf <outputfile> <source>`
 - Extraction: `tar -zxvf <tar/gzip sourcefile>`



USEFUL LINUX COMMANDS CONT

- `whatis` – briefly describe what the command is
 - Syntax: `whatis <command>`
- `man` – shows a detail manual of a command
 - Syntax: `man <command>`
- `gcc` – widely used Unix C compiler
 - `gcc -c <sourcefiles>`
 - `gcc <sourcefiles> -o <executable>`
 - Other flags: `-ansi -Wall -pedantic`
- GNU “make” – strongly recommended
 - Automate the compiling process
 - www.gnu.org/software/make/manual/make.html



OTHER COMMANDS

- which, where, sort, locate, grep, who, ps, etc...
- Take a look at:
 - *www.unixguide.net/linux/linuxshortcuts.shtml*

