Introduction
Overview of 201 Lab and Linux Tutorial

Stef Nychka

Department of Computing Science
University of Alberta

CMPUT 201, Fall 2006
Can you Log In?

- Should be same login and password from 115.
- If you cannot log in, get your ONE Card and go to the Helpdesk.
- The Helpdesk is in CSC 1-43.
Overview

1. Lab Summary
   - Lab Description
   - Lab Policies

2. Linux Tutorial
   - Linux Tutorial
   - Benefitting the Most from the Tutorial

3. Learning More
Welcome to the 201 Lab!

You will learn how to program in C.

This will be done in a Linux environment.

Like Windows, Linux is an operating system.

You will be doing

- Linux and Linux programming tools tutorials.
- 3 Programming Assignments.
- A Lab Exam.

Lots of new stuff.

So it will be interesting and challenging!
A Typical Lab

- Attendance is recommended, but not required.
- Normally a short presentation at the beginning (10-30 min.)
- Often other short presentations throughout.
- Then 1-on-1 help from TA. Especially when busy:
  - There will be a *Questions* list on the board.
  - If you have a question, write your name in the list.
  - 10 minutes per question.
Communication Outside the Lab

- You must read, and it is best to use, the newsgroup. TA will briefly demonstrate and describe (using ualberta.test):
  - `https://webnews.srv.ualberta.ca`. enter CCID (Campus Computing ID ... see 201 web site).
  - `ualberta.courses.cmput.201`

- Don’t post code. You can get into trouble.
- Generally no attachments (they can be problematic)

- Can email TA (email online, and on whiteboard)
  - Must use CCID.
  - Attach all relevant code.
  - Must ask specific questions. So no "Here’s my code ... how do I fix it?"
  - TA will spend at most 15 minutes, and will reply with what they have found.

- Read about this and more at Schedule → Course Policies

- Questions?
You will learn not only C, but also Linux in 201.
Linux is an operating system that is better suited to programming.
It has many tools which allow you to program more easily.
There is a tutorial that will introduce you to Linux at

*Resources* → *Linux* (under Tutorials)
Read everything in the tutorial.

Ensure you understand everything so you can use it when programming.

Ask the TA questions to help you along.

Try the examples.

- Type what **follows** prompt `~>` (TA will demonstrate)

Questions?
Learning More

- To learn more about Linux (TA will show you the sections in the Linux Tutorial):
  - Go to the Learning more section.
  - Experiment, and ask the TA.
  - Get used to using man pages. See the Using man Pages section.

- Learn how to edit programs using emacs. Emacs Tutorial: Resources → Emacs.

- Read over Marking and Submission Rules, then Assignment 1, and begin soon: Schedule → Assignments

- Bring King text to each lab.

- Questions?