



SUMMER SESSION I 2014
EECS 10 WEEK1 DISCUSSION1
Che-Wei Chang

TA GREETINGS

- Che-Wei Chang
 - Ph.D. Candidate from EECS
 - TAed courses: EECS10, EECS22, EECS22L
 - Office hour : Tu, Th 1:00-1:50 RH184
 - Email: eeecs10@eeecs.uci.edu (preferable)
cheweic@uci.edu
 - Responsibility:
 - Discussion Sessions (Tu, Th, 1:00~1:50)
 - Lab Sessions (Tu, Th, 2:00~2:50)
 - Prepare and grade homework
 - Answer questions on the course message-board



WHO ARE YOU ?

- Introduce yourself (30sec/student)
 - Name
 - Major
 - Which year?
 - Any programming experience?
 - What do you expect from this course?



COURSE OVERVIEW

- Course Website:
 - <https://eee.uci.edu/14y/18010/>
- Course Communication
 - eeecs10@eeecs.uci.edu
 - course message board
- Assignments
 - 1 assignment/week, 5 in total
 - The deadline is strict
- Exams
 - 2 mid-term, 1 final



DISCUSSION AND LAB SESSION

- Discussion Session
 - Describe the detail about the homework
 - Address questions you may face in the homework
- Lab Session
 - Programming, i.e., implement the homework
 - Fix program bugs
- Attendance is **not** mandatory.



ASSIGNMENT 1

- Part 1 - Linux Working Environment
 - Connect to **zuma** or **crystalcove** server
 - Familiar with the environment
 - Submit initials.script through turn-in script
- Part 2 - Print your initials on screen
 - Your first program in this course.
- Part 3 - Add two Timestamps
 - Discuss on Thursday



OUR FIRST C PROGRAM

- Write a C program to display the following two lines:
 - “Hello World”
 - “My name is Che-Wei Chang”
- What will you need in this C program?
 - Comment ?
 - Preprocessor directive ?
 - Main function (`int` main (`void`))?
 - In function body
 - Input / Output ?
 - Calculation ?
 - Function Call?



LOGIN TO YOUR LINUX ACCOUNT

- Login to the machine
 - Using your UCINetID and password
- Use a terminal with SSH protocol
 - Windows: putty, OpenSSH, ...
 - Type zuma.eecs.uci.edu or crystalcove.eecs.uci.edu in the “Host Name (or IP address)” field.
 - Hit “Open”
 - Input your UCINetID and password correctly
 - MacOS: Terminal
 - Use the following command:
 - > ssh zuma.eecs.uci.edu -x -l *YourUserName* or
 - > ssh *YourUserName*@zuma.eecs.uci.edu



TRY THESE SYSTEM COMMANDS...

ls	list files
cd	(change working directory)
pwd	(print working directory)
mkdir	(make directory)
mv	(rename/move files)
cp	(copy files)
rm	(remove files)
rmdir	(remove directory)
cat	(print the content of a file)
more	(print the content of a file, one screen at a time)
echo	(print the arguments on the rest of the command line)



EDIT YOUR FILE

○ Text Editing

- vi standard Linux editor
- Vim vi-improved
- pico easy-to-use text editor
- emacs powerful editor
- Others...
- No recommendation, pick one you are comfortable with.



BRIEF INTRODUCTION OF VI COMMAND

- Brief introduction of *vi*
 - > vi file
 - Edit/Create the file
- After entering vi...
 - i Insert mode, in that you can modify the content
 - <ESC> Escape from the current mode
 - :line Go the line
 - /string Find the string
 - :w Write/store the file
 - :q Quit from vi
 - :wq Write/store the file, and quit from vi
 - :q! Quit from vi, without saving the file.



TIME TO PROGRAM...

- Login your account
- Create the hw1 directory in ~/EECS10
- Use an editor to write you program
- Save the program
- Compile it
 - `gcc initials.c -o initials`
- Submit the program
 - Go to the directory with hw1 inside
 - Turn in the files
 - Verify your submission

