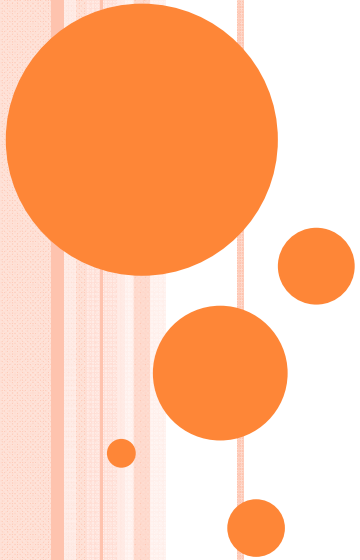

Fall Quarter 2014
EECS 22 Week1 Assignment

Che-Wei Chang

TA Greetings

- Che-Wei Chang
  - Ph.D. Candidate from EECS
  - TAed courses: EECS10, EECS22, EECS22L
  - Office hour : Tu, 1:00-2:50 PCB1300
  - Email: eecs22@eecs.uci.edu (preferable)
    cheweic@uci.edu
  - Responsibility:
    - Lab Sessions (Monday, Tuesday, Friday)
    - Prepare and grade homework
    - Answer questions on the course message-board

COURSE OVERVIEW

- Course Website:
  - https://eee.uci.edu/14f/18030/
- Course Communication
  - eecs22@eecs.uci.edu
  - course message board (preferable)
- Assignments
  - 1 assignment / 2weeks, 5 in total
  - The deadline is strict
- Lab Hour
  - Monday, 11:00am – 12:20pm
  - Tuesday, 1:00pm – 2:50pm ← I will be in the lab !
  - Friday, 8:00 am – 9:50am, 10:00am – 11:50am
- Lab Attendance is not mandatory

ASSIGNMENT 1

- Part 1 - Linux Working Environment
  - Connect to zuma or crystalcove server
  - Familiar with the environment
  - Submit your work through turn-in script

- Part 2 – Black Jack (Due : 10/14 23:00pm)

Login to Your Linux account

- Install "putty" and "Xming"
- 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.

BLACKJACK

- (our) rules:
  - Points can not be more than 21
  - Player's round
    - Player gets a card (A, 2-10, J, Q, K)
    - A = 1pt, J / Q / K = 10 pts
    - Player decides to asking for another card or not
  - Dealer's round:
    - Dealer draws card(s)
    - If dealer's point is equivalent to player's point, dealer wins.
    - If dealer's point is more than user's point, dealer wins.
    - If dealer's point is over 21 points, dealer loses.

HINT : RANDOM FUNCTION

- Random function: rand(), srand()
- Example :

```
#include <stdio.h>
#include <stdlib.h> /* for rand() and srand() */
#include <time.h> /* for time() */
int main(void)
{
   /*variable declaration*/
   …
   srand(time(NULL)) ; /*set the seed with time*/
   …
   card = (rand()%13) + 1 ; /*draw a random card*/
   /*J = 11, Q = 12, K = 13*/
   card = (card > 10)? 10 : card ;
```

BONUS, AND OTHER DETAILS

- Bonus - make your blackjack more real
  - An Ace card ( ) could be either 1 or 11 for best interest.
  - The decision can only be made once while the card is issued.
- Briefly describe the control flow for your Blackjack program in txt file blackjack.txt
- Name your files **blackjack.c**, **blackjack.txt** and **blackjack.script**.

TIME TO PROGRAM…

- Login your account
- Create the hw1 directory in ~/EECS22
- Use an editor to write you program
- Save the program
- Compile it
  - gcc blackjack.c –ansi –Wall –o initials
- Submit the program (deadline 10/14, 23:00pm)
  - Go to the directory with hw1 inside
  - Turn in the files
    - /ecelib/bin/turnin22
  - Verify your submission
    - /users/grad2/doemer/eecs22/bin/listfiles.py