# ECPS 203
# Discussion

TA: Zhongqi Cheng

# Introduction

- Zhongqi Cheng
- Ph.D in Computer Engineering

# Office hour

- EH 3404
- Friday, 11 am
- From next week

# How to contact

- email: zhongqc@uci.edu
- message board on eee.uci.edu for ECPS 203

# Agenda

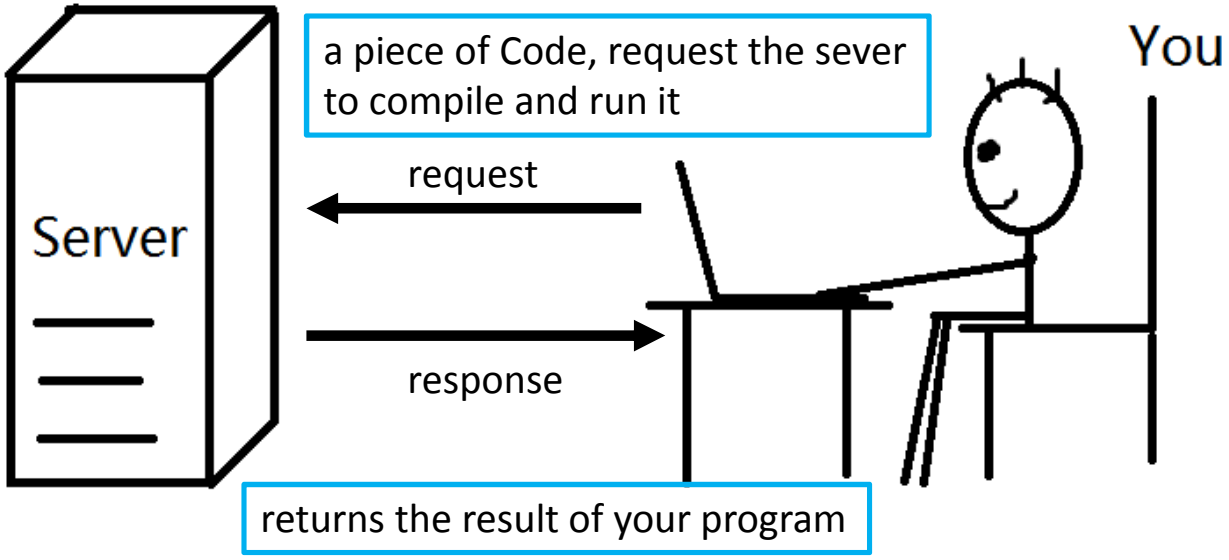
- How to use the EECS servers
- Assignment 1

# Servers

- Servers are computers
- Are visited via the Internet

- crystalcove.eecs.uci.edu
- zuma.eecs.uci.edu
- bondi.eecs.uci.edu
- laguna.eecs.uci.edu

Listed in assignment 1



# Servers

How to connect to servers

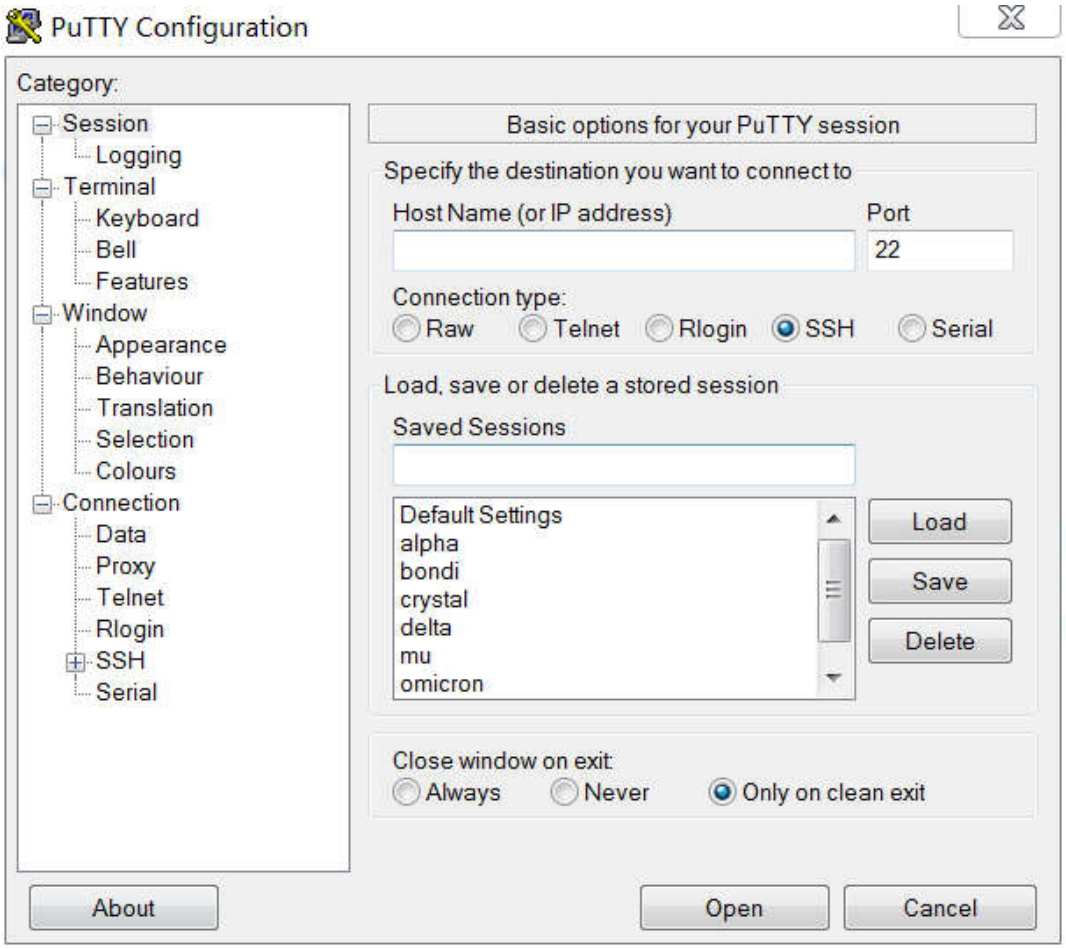
- On Linux, Mac OS
  1. Open the built-in terminal
  2. Use ssh command

     For example, ssh bondi.eecs.uci.edu

- On Windows:
  - Putty, free, google it and download

# Servers

- This is putty

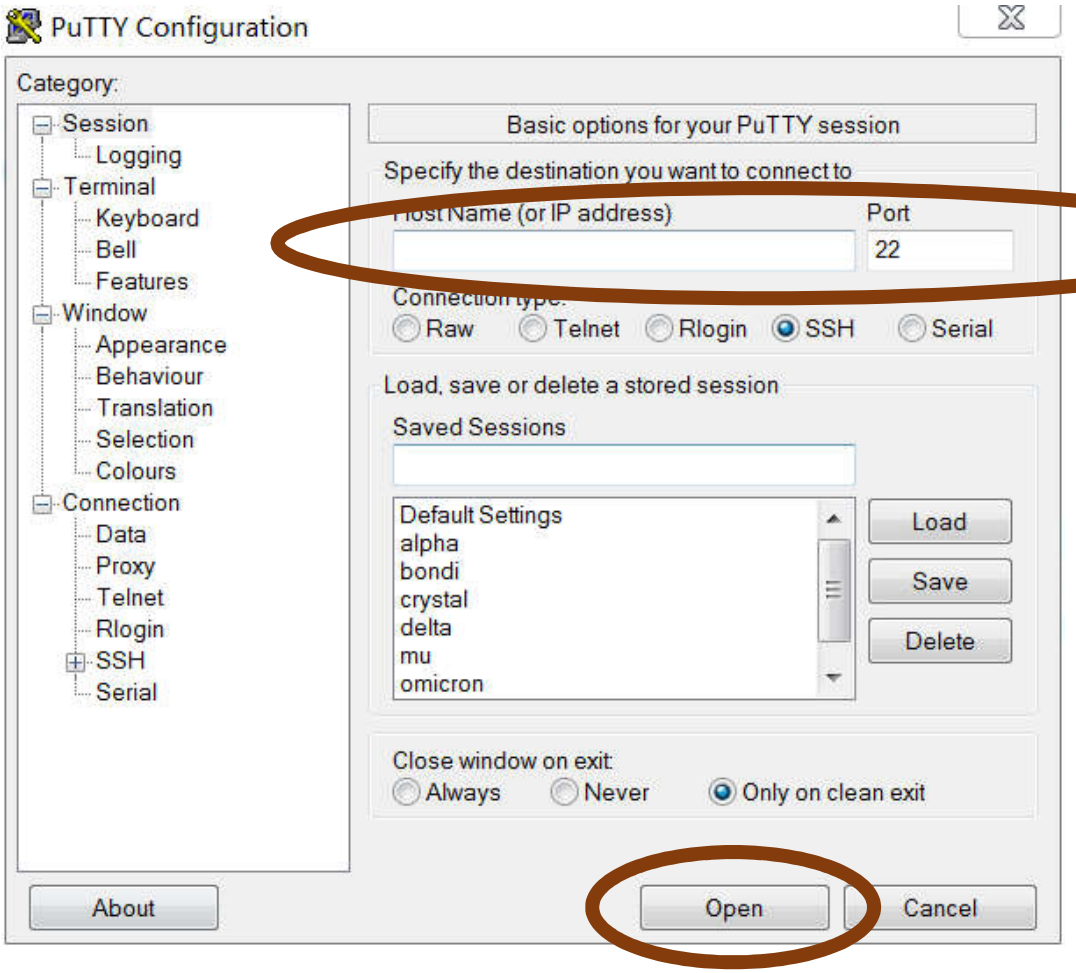


# Servers

- Type in Host name
- That is, the server name
- For example

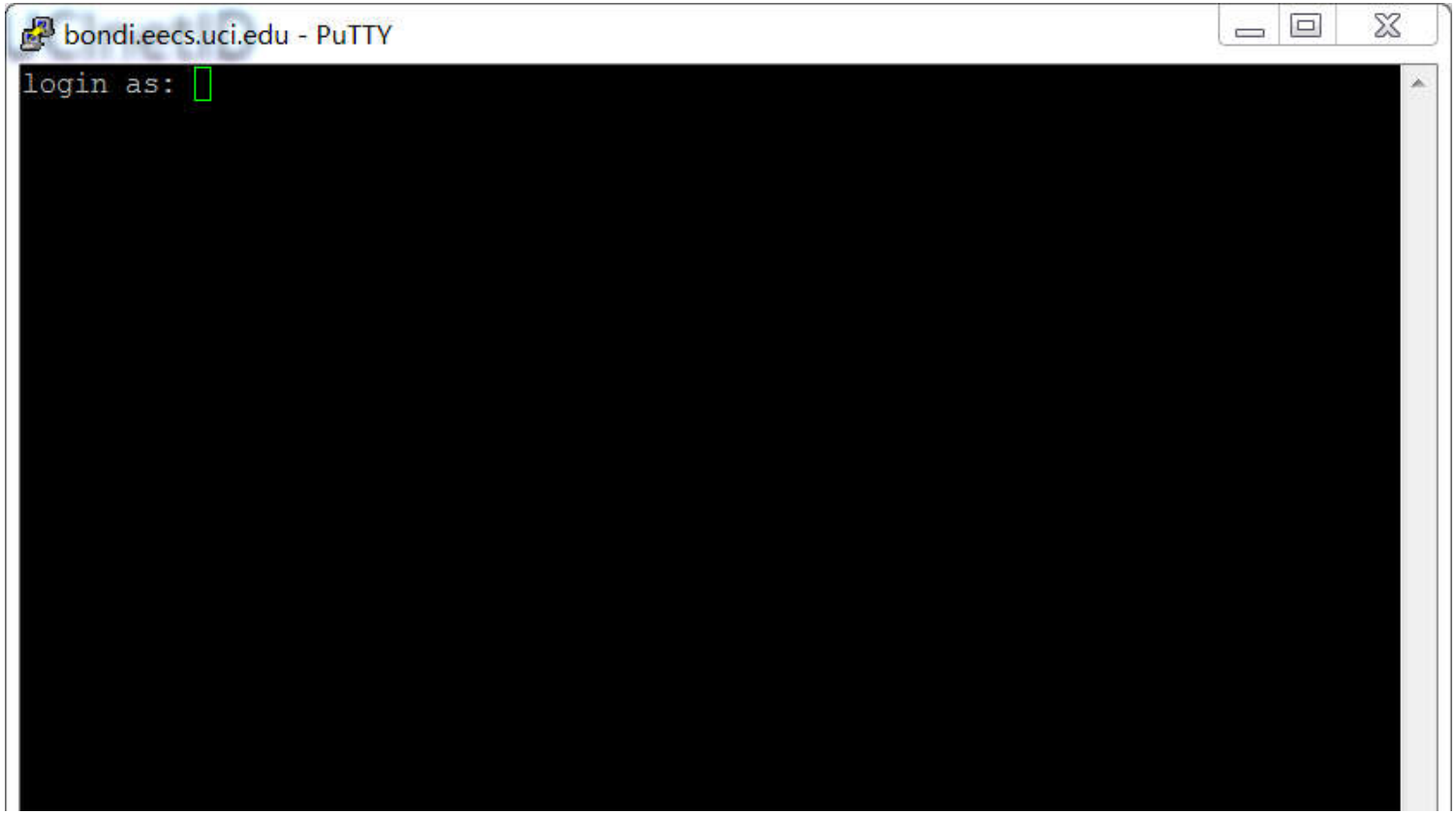
  bondi.eecs.uci.edu

- Click open



# Servers

- Login with you UCInetID

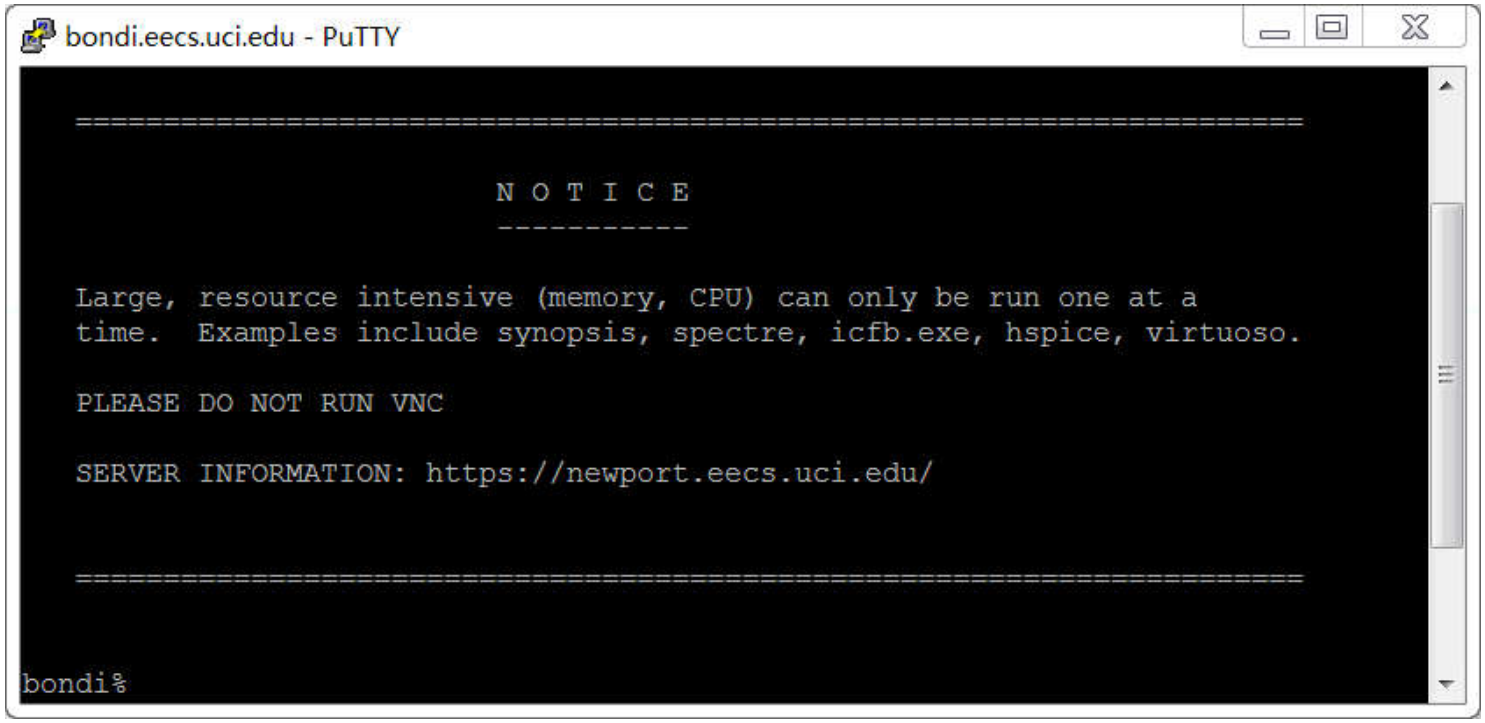


# Servers

- And your password

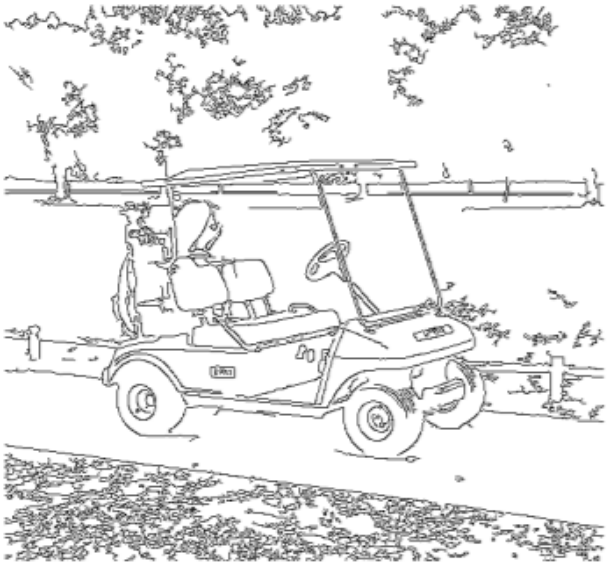
# Servers

- Succeeded?



# Assignment 1

- Canny edge detector
- Realize it with C language



# Assignment 1

- Good news:

  Source code is available

  either download it online, or copy it from the instructor's account

- Bad news:

  some syntax errors, and gcc compiler does not understand it

# Assignment 1

- compile it

  gcc canny.c -lm -o canny

- run it

  ./canny golfcart.pgm 0.6 0.3 0.8

- display the result

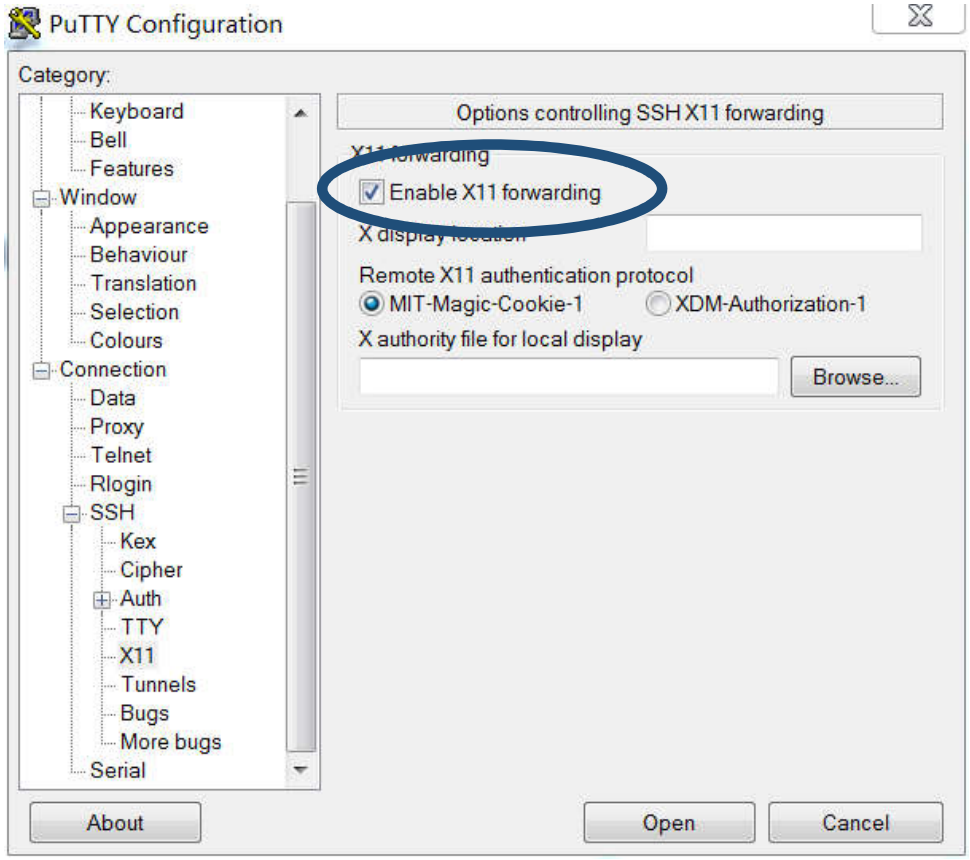
  eog golfcart.pgm_s_0.60_l_0.30_h_0.80.pgm

  eog is a built-in tool on the servers to display images

# Assignment 1

- For windows users, download Xming
- Turn on display for putty
- Connection -> SSH ->X11

  ->Enable X11 forwarding
- Then log into the server.



# Assignment 1

- Write down the function-call tree in a file, name it canny.txt
- The relations between functions
- For example:

  main() calls a(), and a() calls b()

```
void a(){
    b();
}

int main(){
    a();
}
```

# Assignment 1

- Submit it
- run the script:

  ~ecps203/bin/turnin.sh

  it copies the hw1 folder and the files inside it to the instructor's account