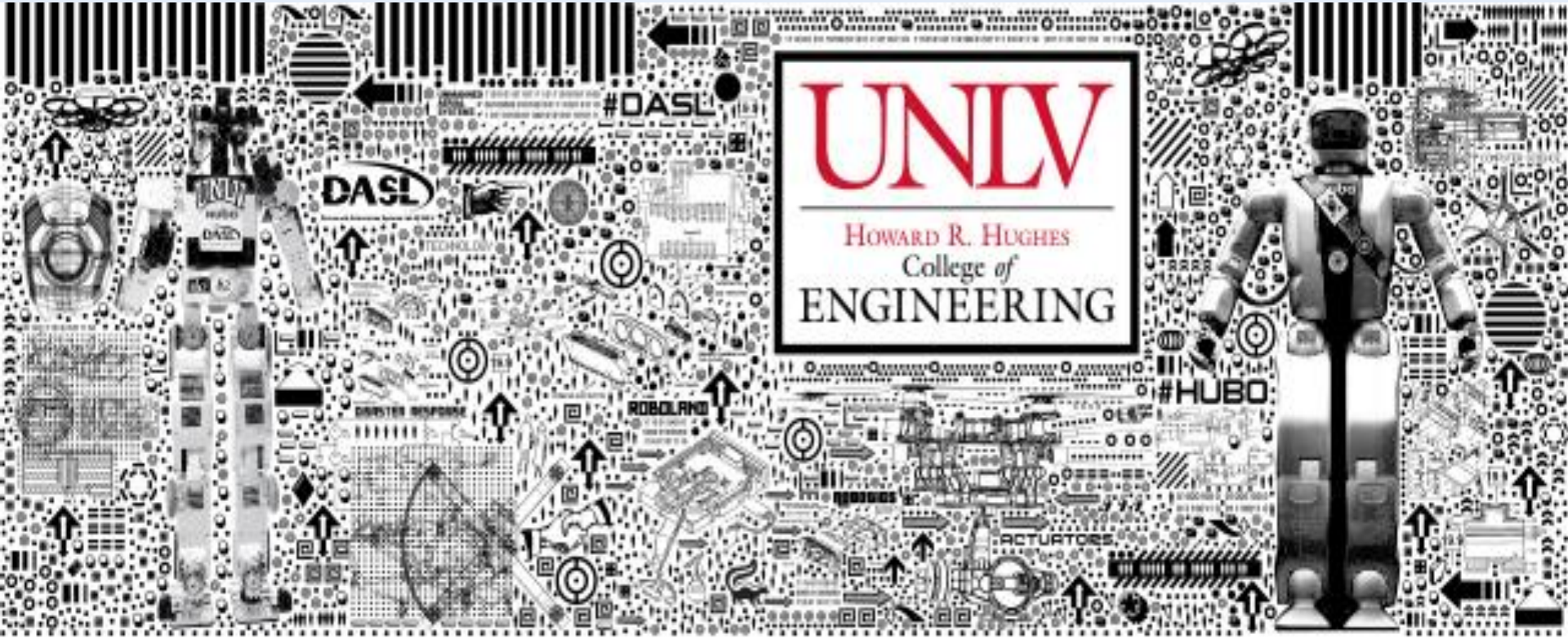
UNIVERSITY OF NEVADA LAS VEGAS

DRONES AND AUTONOMOUS SYSTEMS LAB (DASL@UNLV)




C PROGRAMING / LINUX [DASL-100]

# WEEK 5 [Section 10]

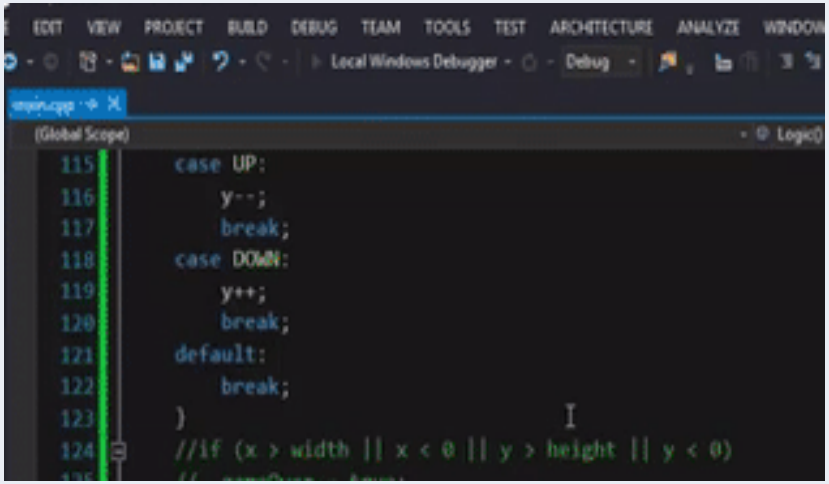
INSTRUCTOR: JEAN CHAGAS VAZ

Thursday, June 22, 2017, 08:03

# ➢ Last Class

- ➢ **Project [DUE 7/5/2017]**
  - ➢ Snake Game


Source: http://mividaloca.tistory.com/

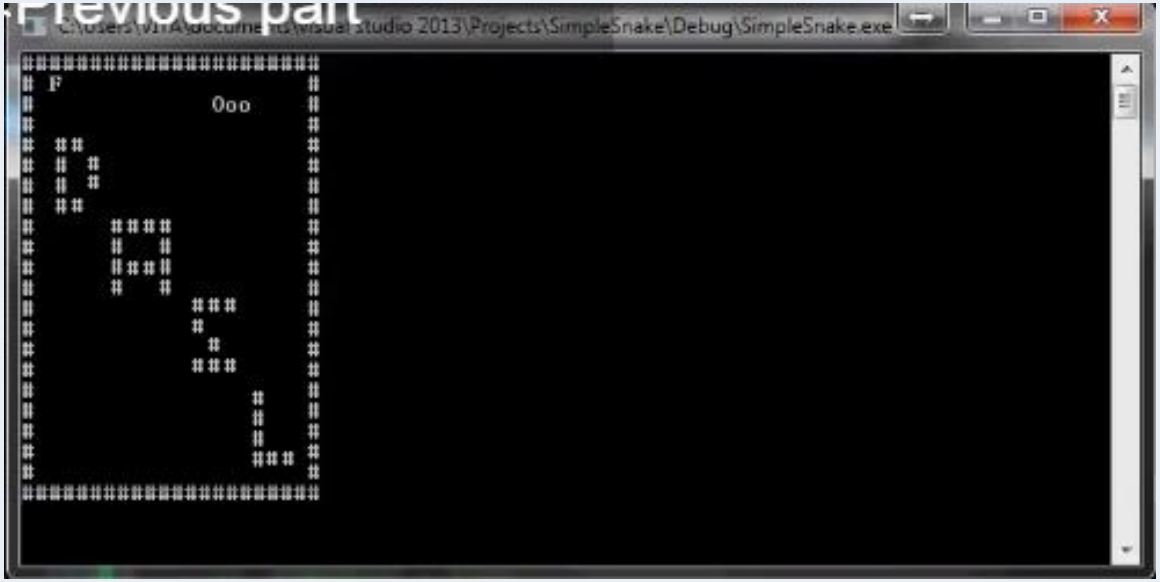


Thursday, June 22, 2017, 08:03

# ➢ Last Class

- ➢ **Project (Snake Game) [DUE 7/5/2017]**
  - ➢ Must be in C language
  - ➢ The Final display is shown bellow


Source: http://mividaloca.tistory.com/

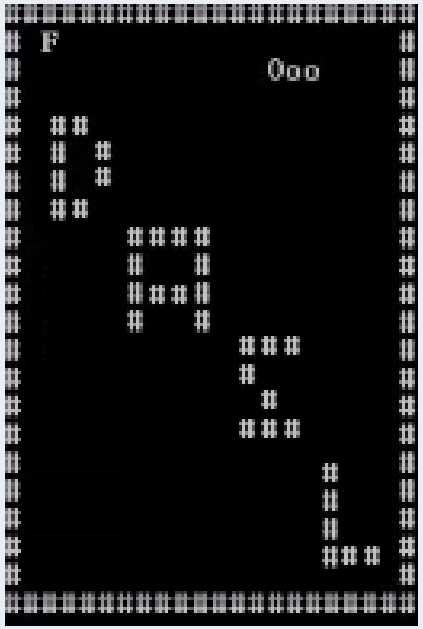


Thursday, June 22, 2017, 08:03

# ➢ Last Class

- ➢ **Project (Snake Game) [DUE 7/5/2017]**
  - ➢ Help
  - ➢ Follow the basic logic by watching the following video suggestions:
    - ➢ https://www.youtube.com/watch?v=E_-lMZDi7Uw
    - ➢ https://www.youtube.com/watch?v=W1e5wO7XR2w
    - ➢ https://www.youtube.com/watch?v=PSoLD9mVXTA&t=1s


Source: http://mividaloca.tistory.com/



- ➢ Visual Studio is not necessary, however you can use it if you desire to do so…

Thursday, June 22, 2017, 08:15

# ➢ Final Exam [NEXT WEEK 06/28/2017 9:00 AM]

- ➢ Part 1 [Closed book Exam] 9:00AM till 9:45AM [30%]
  - ➢ Be prepare to:
    - ➢ Work w/ True or false questions.
    - ➢ Create a block diagram based on a code
    - ➢ Identify errors in a code
    - ➢ Point similarities between C and C++

- ➢ Part 2 [Open book Practical Exam] 9:45AM till 11:45AM [60%]
  - ➢ Be prepare to:
    - ➢ Actually program in C
    - ➢ 3 Problems [ P 1 = 30% ; P 2 = 30%; P 3 (Optional) = 20 % extra]

Thursday, June 22, 2017, 08:09

# Final Exam [NEXT WEEK 06/28/2017]

- **Here is what you need to know…**
  - "If" statements
  - "for" loops
  - "switch" function
  - user-defined function
  - data in an array
  - Two dimensional array
  - creating a header file
  - Using Pointer
  - Dynamic Memory Allocation
  - Programming Structure
  - File Operations

Thursday, June 22, 2017, 08:24

- **Final Grades [07/10/2017]**
  - **Send by email to you and Dr Oh.**

Thursday, June 22, 2017, 08:03

# ➢ Last Class

## ➢Code Presentations

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➢ **To do List**

➢Create a program that reads the distance(km) and time(mim) from a file(e.g. see bellow) then output the average velocity [miles/hour] base on the data. Finally the program has to tell which car is the fastest. [Due Next Section, You will be asked to explain YOUR code, for the rest of the class. Add as many commentaries as you can. This will account on your final grade]

C_course_week5_section9_hw_file - Notepad

File Edit Format View Help

```
Yellow car :

Speed : 87,56,87,43,56,76,90,65,43,65
Time  : 23,18,24,15,12,34,21,34,11,33

REd car :

Speed : 97,56,87,93,56,76,90,95,43,65
Time  : 34,21,34,11,33,23,18,24,15,12

Green car :

Speed : 100,56,87,93,96,96,90,95,93,105
Time  : 24,21,44,11,13,23,18,24,15,12
```

**Week 5**

Week Five- Section 9

**Week Five- Section 9 Homework file**

Copy this to a notepad save as txt. as follows:

```
Yellow car :
Speed : 87,56,87,43,56,76,90,65,43,65
Time  : 23,18,24,15,12,34,21,34,11,33
REd car :
Speed : 97,56,87,93,56,76,90,95,43,65
Time  : 34,21,34,11,33,23,18,24,15,12
Green car :
Speed : 100,56,87,93,96,96,90,95,93,105
Time  : 24,21,44,11,13,23,18,24,15,12
```

# ➢ Thanks