BIL 108

Syllabus

- **Instructors:**
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- **Teaching Assistants:**
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- **Course home page:** http://bilmuh.gyte.edu.tr/moodle

- **Classes:**
  - Friday: 14:00-15:50 (A, B)
    Friday: 16:00-17:50 (C, D)

Syllabus

- **Textbook:***Problem Solving and Program Design in C*, Sixth Edition, by Jeri Hanly, Elliott Koffmann, published through Pearson.

- **Grading policy:**
  - Regular Labs (10 Labs) 60%
  - Lab Exams (2 Exams) 40%

  (This breakdown is tentative and subject to change)

- **Course Overview**
  - You have to attend more than 80% of the labs.
  - At each lab, you will be given a programming problem to be solved by you during the lab hour.
  - Feel free to ask TAs when you get confused.

Honor Code

- Unless stated otherwise, assignments should be done individually and they are expected to be your own work.
- TAKE PRIDE IN THE WORK YOU DO!!! DON'T CHEAT.
- Giving and receiving sections of code will be considering cheating
- All parties (giving or receiving) will be punished
  - At least they will get the grade of -100.

Installation

- Under Linux
  - Use your package manager
  - aptitude –i for Ubuntu
- Under Windows
  - MinGW GCC Suite
- If you have any question about installation, find Birkan or Ebubekir and say my hello. (Thanks them)

GCC

- Compile

  gcc –c –ansi –pedantic-errors myProg.c

- Link

  – For Windows

  gcc myProg.o –o myProg.exe

  – For Linux

  gcc myProg.o –o myProg

Run Your Executable

- Under Windows
  - Use “cmd”
  - Go to the project directory
  - myProg.exe
- Under Linux
  - Use terminal
  - Go to the project directory
  - ./myProg

Streams

- Output Stream to a File
  - myProg.exe > myProg.out
  - myProg.exe >> myProg.out
- Input Stream from a File
  - White space characters between arguments
  - myProg.exe < myProg.in
  - myProg.exe < myProg.in >> myPorg.out

Sample Programs

- Convert kilometers to miles
  1. Read input from keyboard
  2. Read input from a file

- Next Slide is Your First Labwork

LABWORK 01

- Convert given Celsius to Fahrenheit
  - Read argument from an input file
  - Write your output to other file

$$°F = °C \times 1.8 + 32.$$