

C Programming

Day One!



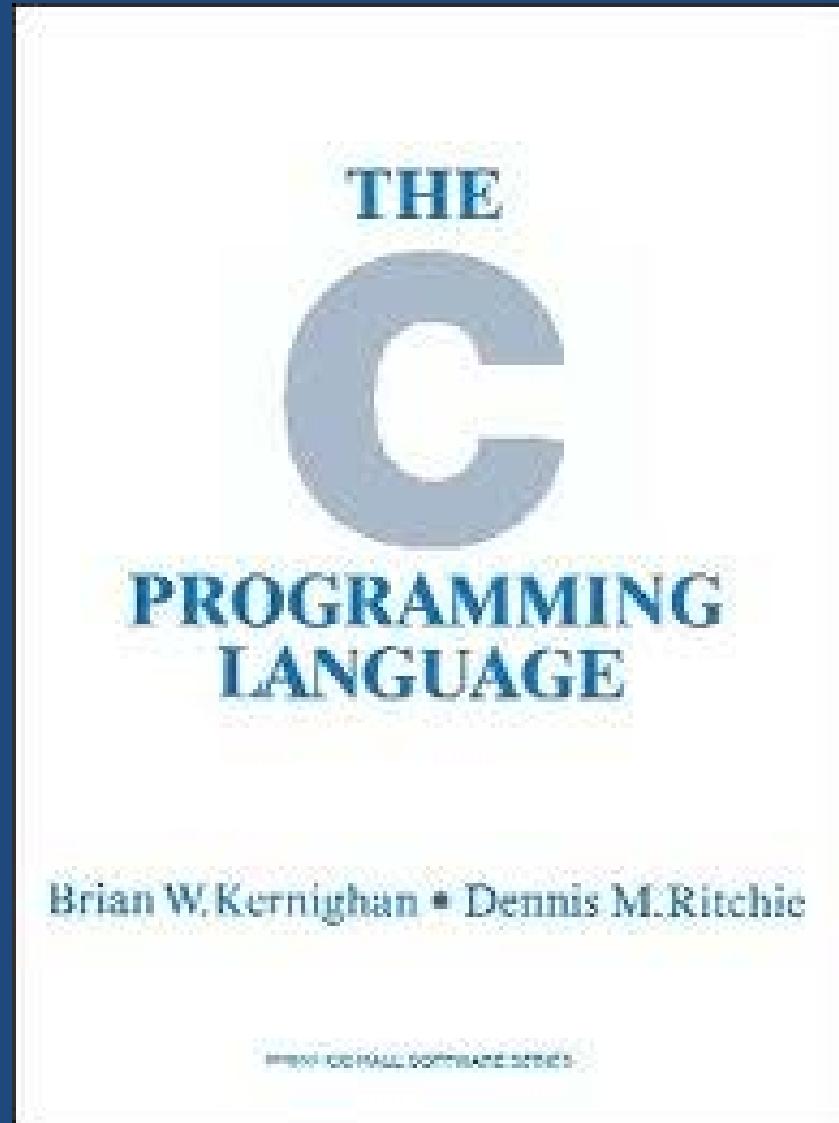
The most important classes you'll attend happen today!



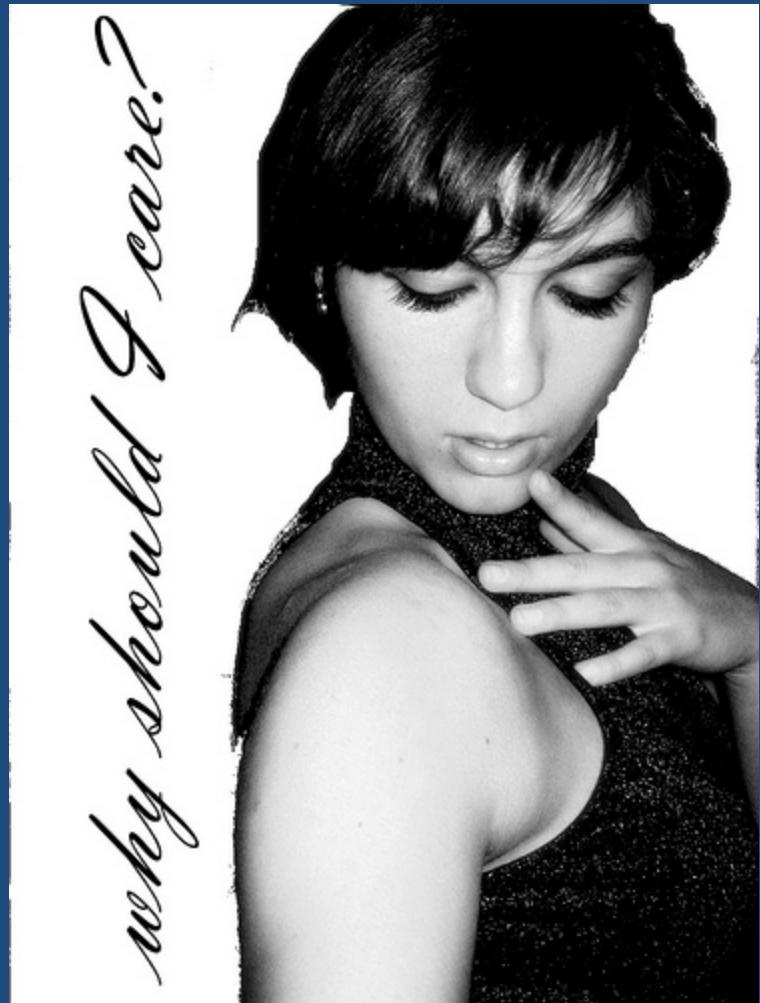
Why?



You'll find out a
bit about the
C course
itself



Most
importantly,
you'll find out
why you should
care



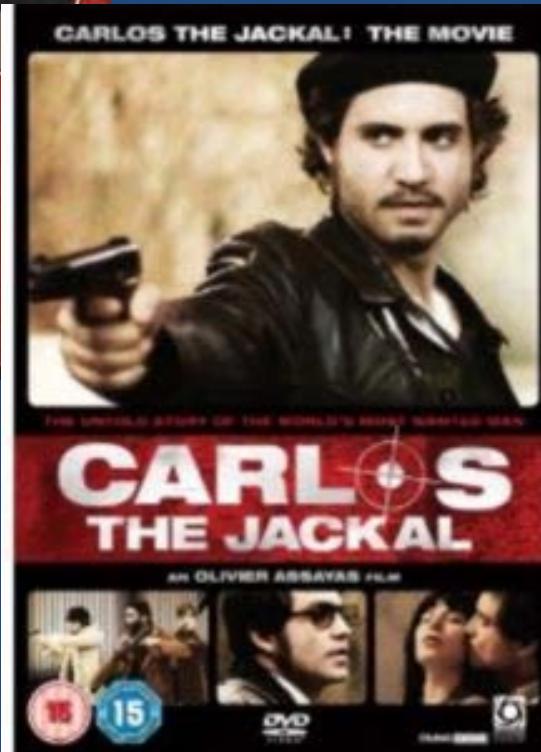
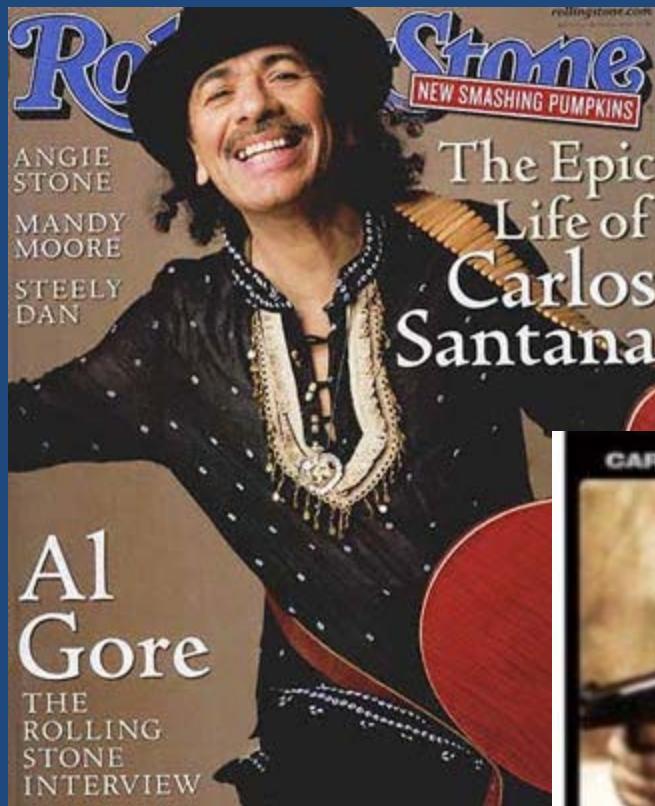
why should I care?

Tiny Bits About The C Course



This is me!

Carlo Sgro



Not
Carlos!

Review!

How do you pronounce the
name of your prof?



I merged lecture
hour

+

4 lab hours



(I + I + 2)



eConestoga (D2L)
is where you'll find
your course content

<https://conestogaonline.ca>

But how do
I get
my
software???



Download and install Visual
Studio 2013 from MSDN-AA

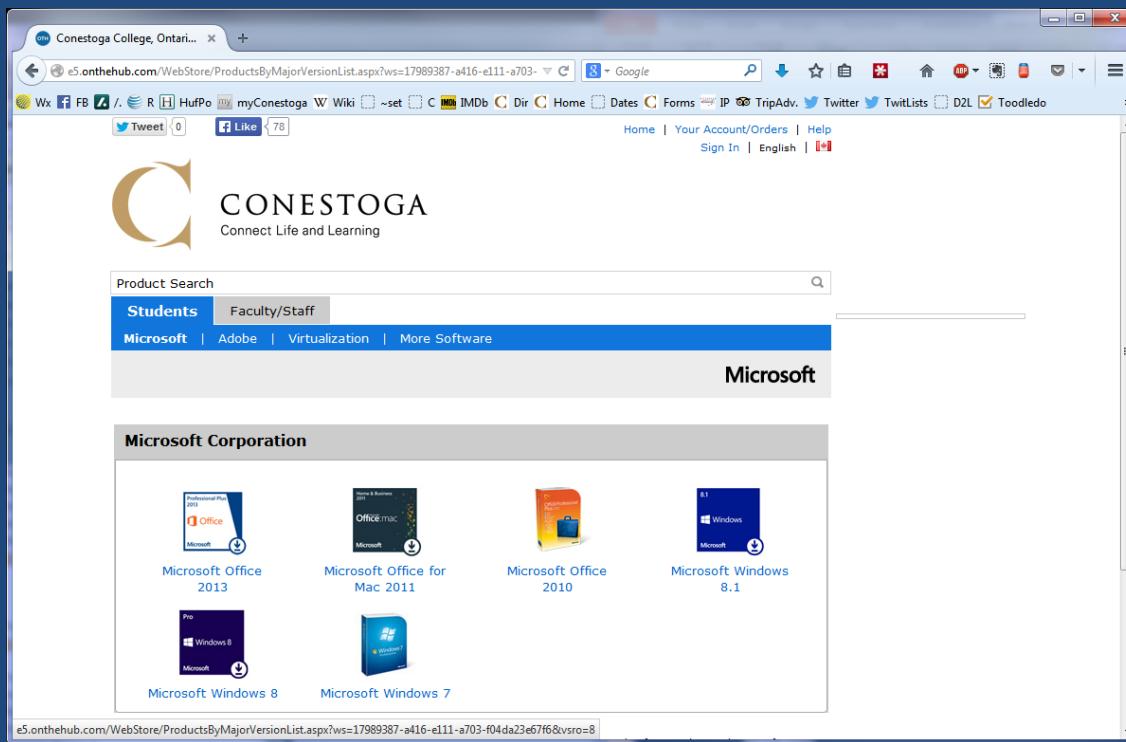


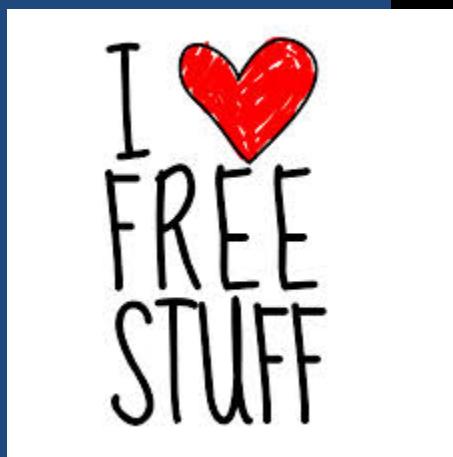
Go here for free (and legal!)
software!



Visual Studio®

And MS Office too!

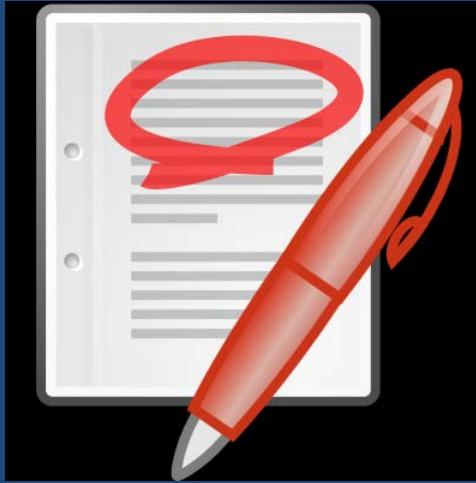




Review!

Where do you get free
software?

Course Policy Paper (on eConestoga)



We're going over the highlights



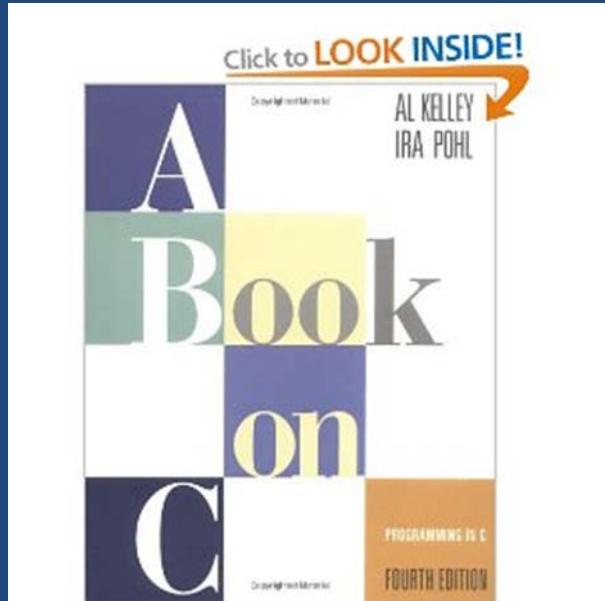
You have to read the entire document yourself (in *Course Information*)



CONESTOGA

Check eConestoga daily

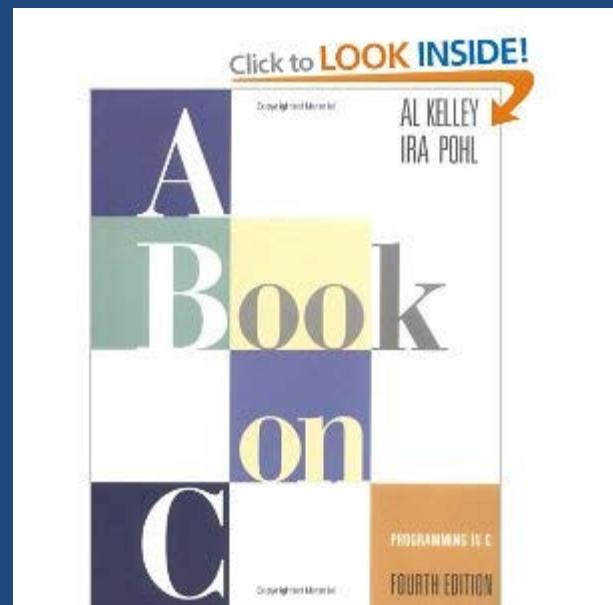
Info posted there =
stated in class



A Book On C
is highly
recommended

A Book On C

can stay at home so
that you can read it
there



Just Enough ... is optional

CS 9781111825959 | Just Enou... +

www.coursesmart.com/just-enough-... Creative Cc P

Wx FB HufPo my myConestoga W Wiki ~set C IMDb Dir C Home Dates Forms

VitalSource® CourseSmart®

SIGN IN | Create

Product Features Home

Search

Example: ISBN, Title, Author or Keyword(s) Advanced Search Enter Redemption code

Return to Search Results

eTextbook

JUST ENOUGH PROGRAMMING LOGIC AND DESIGN
JOYCE FARRELL
SECOND EDITION

Just Enough Programming Logic and Design, 2nd Edition | 9781111825959

ISBN-13: 9781111825959 See more

Author(s): Farrell

Rental Options	Expiration Date	
<input type="radio"/> Unlimited ⓘ		\$83.49
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eText: ISBN-13 9781133474128, ISBN-10 1133474128

Print: ISBN-10 1111825955, ISBN-13 9781111825959

Author(s): Farrell

Publisher: Cengage Learning

Copyright year: © 2013 Pages: 312

Description

[Twitter](#) [Facebook](#) [Email](#)

*C++ ... for
Dummies is
very
optional*

a C++ All-In-One Desk Refer... +

Wx FB ./ R HufPo my myConestoga W Wiki ~set C IMDb Dir C Home Dates >

amazon.ca Carlo's Store Deals Store Gift Certificates Sell Help en français

Shop by Department Search All c all-in-one desk reference for dummies Go Hello, Your

Books Advanced Search Browse Subjects New Releases Bestsellers Children's Books Bargain Books

C++ All-In-One Desk Reference For Dummies and over one million other books are available for Amazon Kindle Learn more

C++ All-In-One Desk Reference For Dummies Paperback – Aug 31 2009
by John Paul Mueller (Author), Jeff Cogswell (Author)
★ ★ ★ ★ ★ 1 customer review

See all 5 formats and editions

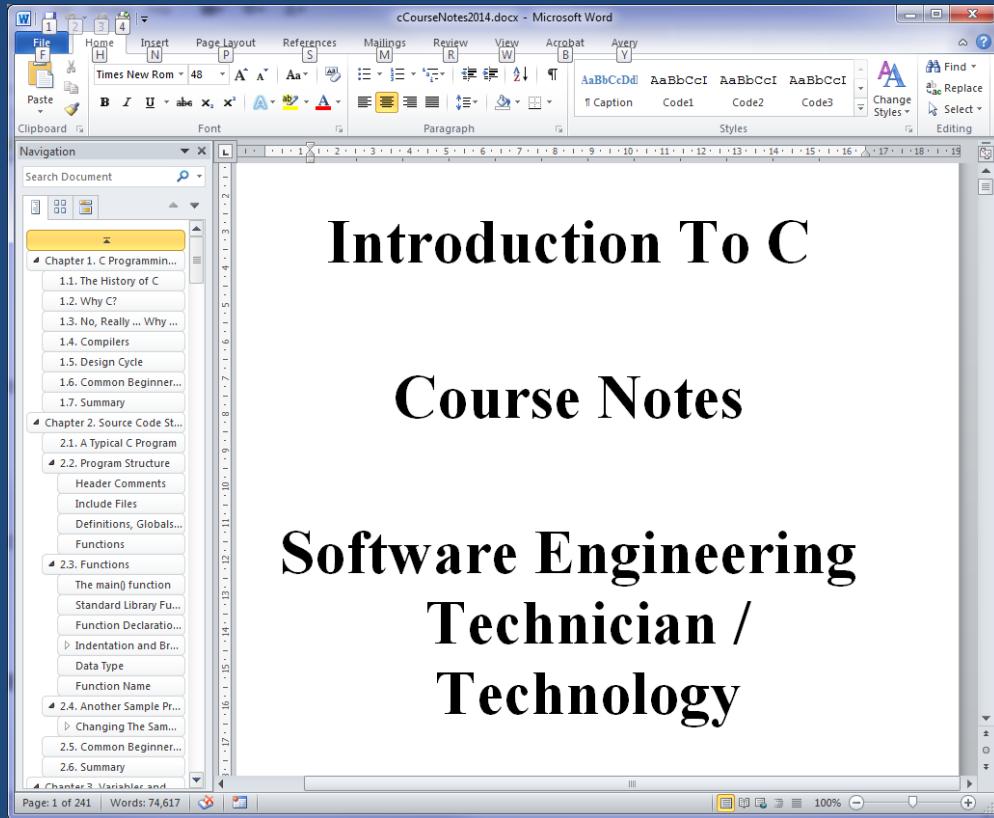
Kindle Edition CDNS\$ 22.80 Paperback CDNS\$ 24.00

11 Used from CDNS\$ 24.50
25 New from CDNS\$ 16.49

There is a newer edition of this item:
C++ All-in-One For Dummies
CDNS\$ 30.09
In Stock.

Here's the easy way to learn how to use C++
C++, developed by Bjarne Stroustrup at Bell Labs, is one of the most widely used programming languages, with close to four million C++ programmers and growing. C++'s popularity has earned it a spot as part of the Standard Library.
Read more

The Course
Notes are
required (and
very useful
and free)



A screenshot of Microsoft Word showing a document titled "cCourseNotes2014.docx". The ribbon menu is visible at the top. On the left, a navigation pane displays a hierarchical table of contents for "Chapter 1. C Programming", "Chapter 2. Source Code Structure", and "Chapter 3. Variables and Data Types". The main content area contains the following text:

Introduction To C

Course Notes

Software Engineering

Technician /

Technology

Page: 1 of 241 | Words: 74,617

Reading to do by Thursday/Friday:

- ABoC (A Book On C): Sections I.1 to I.3
 - CN (Course Notes): Ch. I and 2

Reading for next week:

- ABoC: Ch. 2, 3.1 - 3.6, 4.1 - 4.8
 - CN: Ch. 3 to 7
 - JE: Ch. 2

Review!

Does everyone have to read
*Just Enough Programming Logic
and Design?*

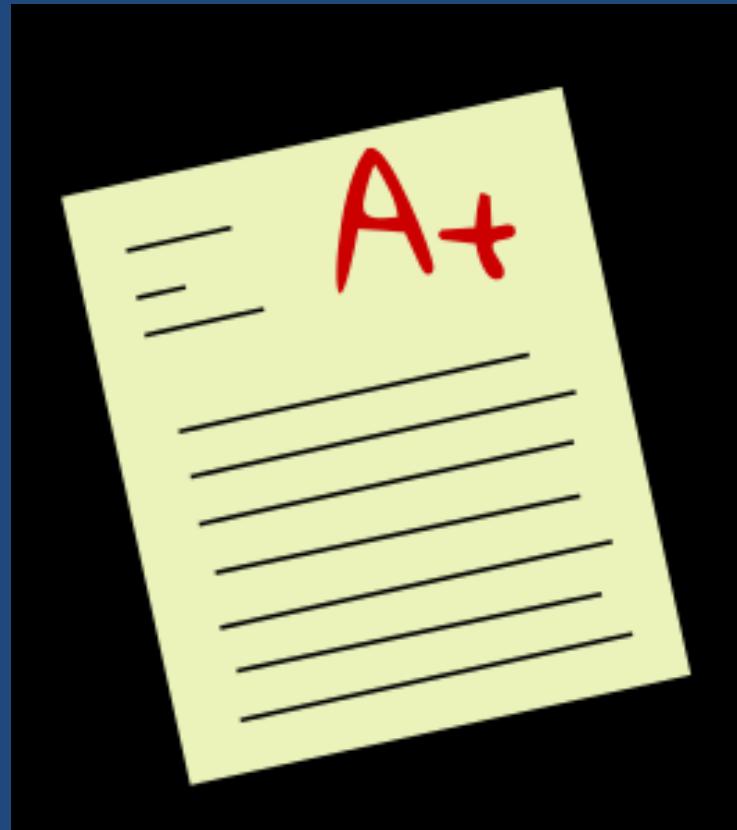
Review!

Does everyone have to buy
A Book On C?
(sneaky question!)

Review!

Does everyone have to buy
the *Course Notes*?
(sneakier question!)

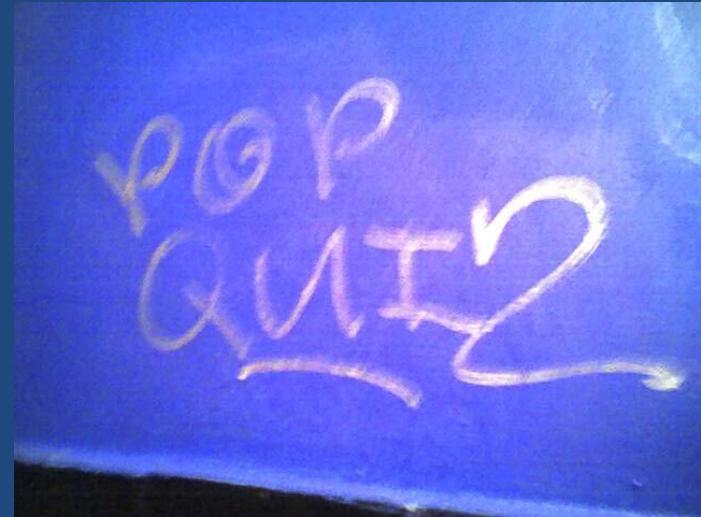
Evaluations?



Quiz in every lab

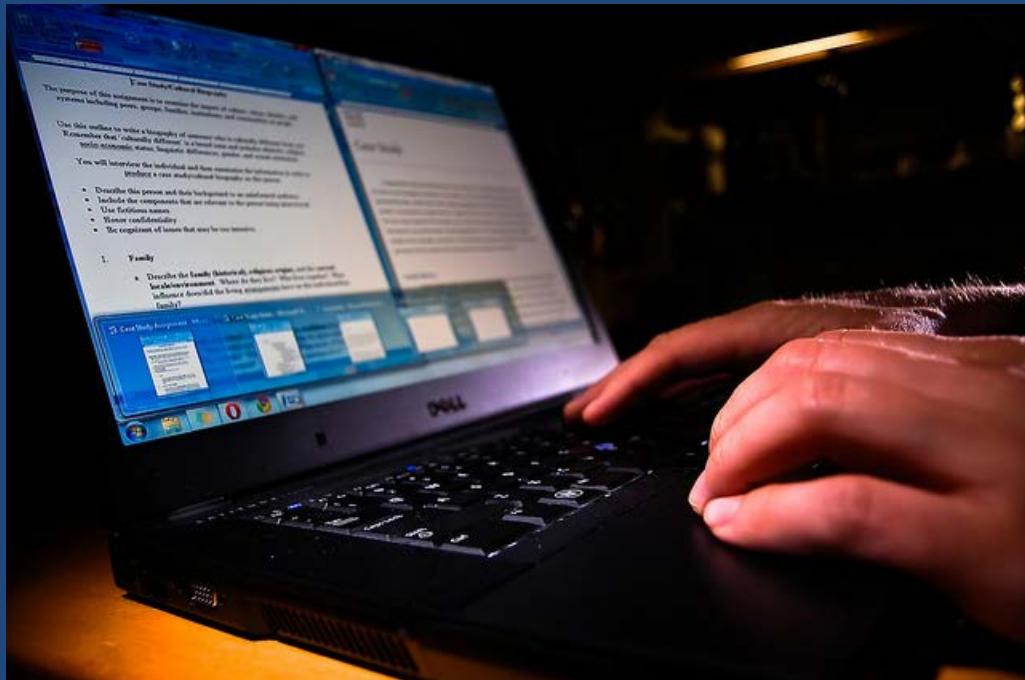
Fixed start and end
time

3% of final mark



Mini-
Assignments
are done in
class

4% of final
mark



Discussions count too!

3% of final mark

The screenshot shows a web browser window with the URL <https://conestoga.desire2learn.com/d2l/le/2f>. The page title is "File I/O - PROG1345-13F-C ...". The navigation bar includes links for My Home, PROG1345-13F-C Program, Content, Communication, Assessments, Resources, Edit Course, and ePortfolio. The user is logged in as "Carlo Sgro".

The main content is the "Discussions List" for the "File I/O" topic. The left sidebar lists various topics with their unread counts:

- Introductions! (0)
- Scavenger Hunt (0)
- Course Content Forum (0)
- Midterm Exam Review (0)
- Final Exam Review (0)
- Other Functions (0)
 - printf() (0)
 - Command-line Arguments (0)
 - Dynamic Memory Allocation (0)
- File I/O (0) **Selected**
- File Maintenance functions (0)
- Structs (0)
- Directory Listing (0)
- Time (0)
- Multi-file Projects (0)
- Debugging (0)
- Recursion (0)
- Assorted Other Stuff (0)

Below the sidebar is a link "Hide the Topics List".

The right side shows the "File I/O" discussion thread. It has three posts:

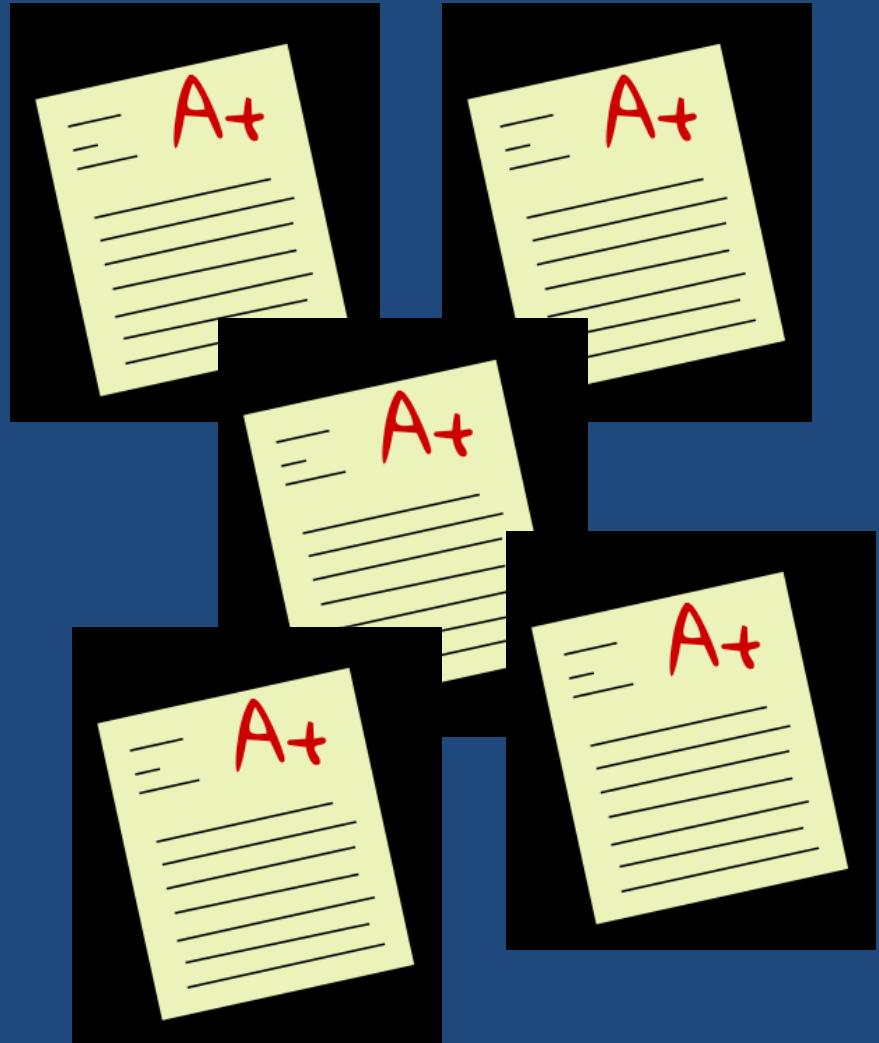
- fgetc() vs getc** by Joshua Gowing (Dec 10, 2013 7:41 AM)
 - What is the difference between these two functions? from what I can tell they do the same thing and getc can be used on a file.
 - 0 Unread, 0 Replies, 0 Views
- fgets()** by Hanchao Xia (Dec 10, 2013 12:35 AM)
 - If you have 8 lines in a text file and you call fgets() 8 times, subsequently calling feof() will return ? I'm confused about this one
 - 0 Unread, 0 Replies, 0 Views
- Binary files** by Kyle Stevenson (Dec 9, 2013 10:43 PM)
 - How does a binary file read "\n"
 - 0 Unread, 1 Replies, 0 Views
- What function opens a file?** by Benjamin Lorantfy (Dec 9, 2013 10:17 PM)
 - 0 Unread, 0 Replies, 0 Views

At the top right of the discussion area are "Settings", "Help", and a search bar for "Search File I/O".

5 Assignments

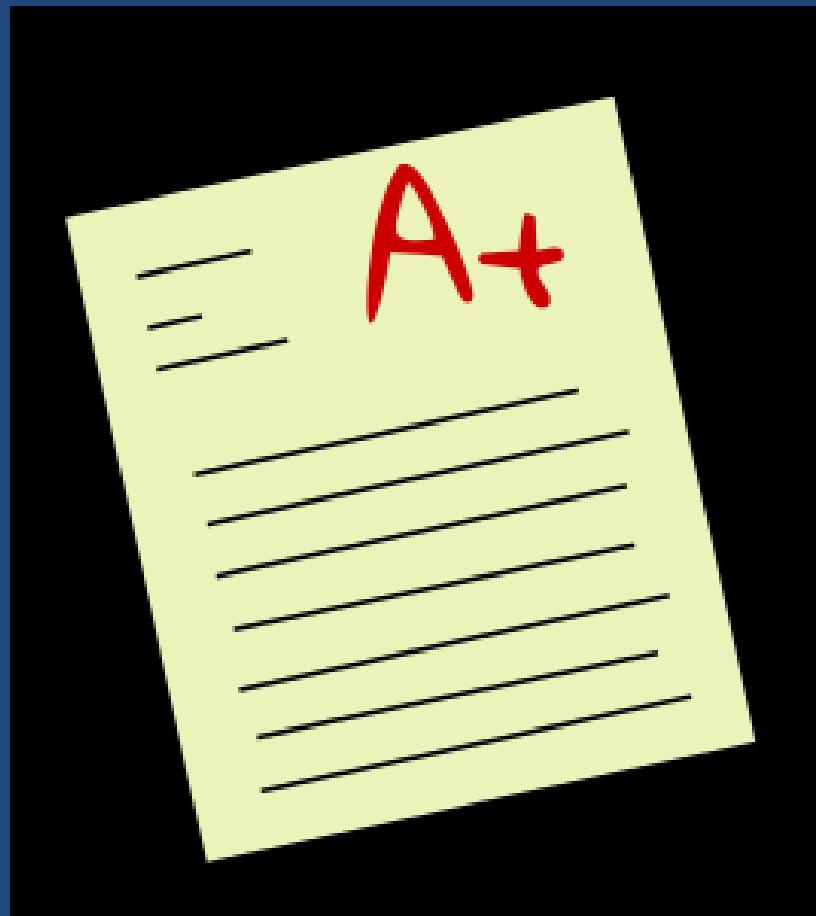
Super important!

15% of final mark

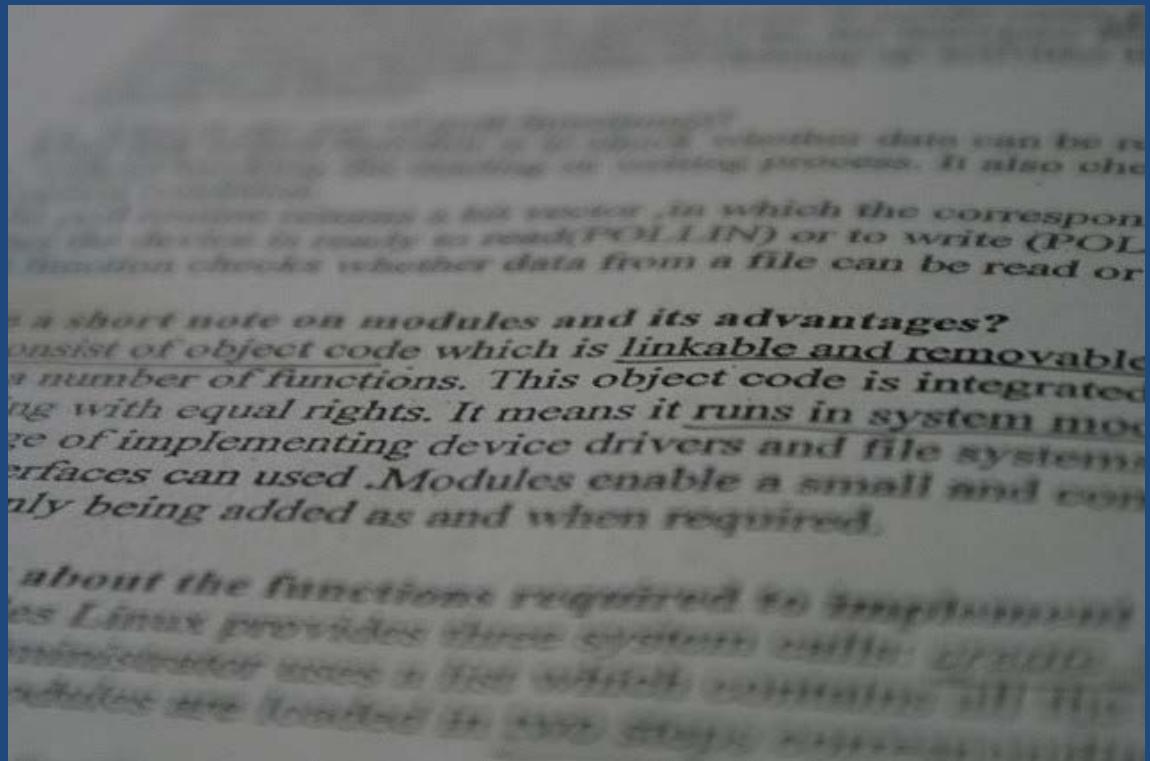


Major Project

15% of final
mark



And
3 exams
10% +
20% +
30%



And you get

MARKS!

Review!

How many quizzes are
there most weeks?

Review!

What has the highest reward to
mark ratio?

Communicating with Carlo

Not Carlos!

csgro@conestogac.on.ca

Office: Room 2A609

Make sure to set
up your
Conestoga e-
mail today!



We have standards:

- Coding
- Reports
- E-mailing
- Computer Use
- Photos / Video for Attendance
- Tampering with Computers
 - Food in the Labs
 - Religious Holidays

SET Program Handbook 2014-2015 - Foxit Reader

F HOME COMME VIW FORM PROTEC SHARE FOXIT C HELP

Hand Actual Size View Rotate Left Typewriter Note Comment Create Protect Links

Tools View Rotate Right

Start SET Program Handbook 2... Integrate PDF into your application

**Software Engineering Technology
(Co-op and non-Co-op) /
Software Engineering Technician
2014-2015
Student's Program Handbook**

Conestoga College Institute of Technology and Advanced Learning

Homepage - PROG1347-14... +

https://conestoga.desire2learn.com/d2l/home/54272

Wx FB A/. R HufPo myConestoga W Wiki ~set C IMDb Dir C Home Dates C Forms IP TripAdvisor Twitter

My Home PROG1347-14F-Sec1-C P...

e CONESTOGA

Content Communication Assessments Resources ePortfolio Edit Course Help & Guides

C Programming (PROG1347) ▾

SET Program Overview Course Information Course Outline Course Schedule Instructor Coding Standards Report Standards

Calendar ▾ Sunday, August 31, 2014 Upcoming events (10+)

Content Browser ▾ Home References

Course Notes (docx) Course Notes (pdf) Course Policy Paper MSDN-AA for most software MS Office SET Program/Student Handbook SET Orientation Handbook 2014 SET Coding Standards

News ▾ Reading for the first week ▾

Posted Aug 27, 2014 3:05 PM

For the first week, please read Sections 1.1 to 1.3 in A Book On C. Also read Chapters 1 and 2 in the Course Notes. It is adequate if this is read by your Thursday or Friday class (some of you have class on Thursday or Friday).

Info about Course Notes ▾

Posted Aug 27, 2014 3:00 PM

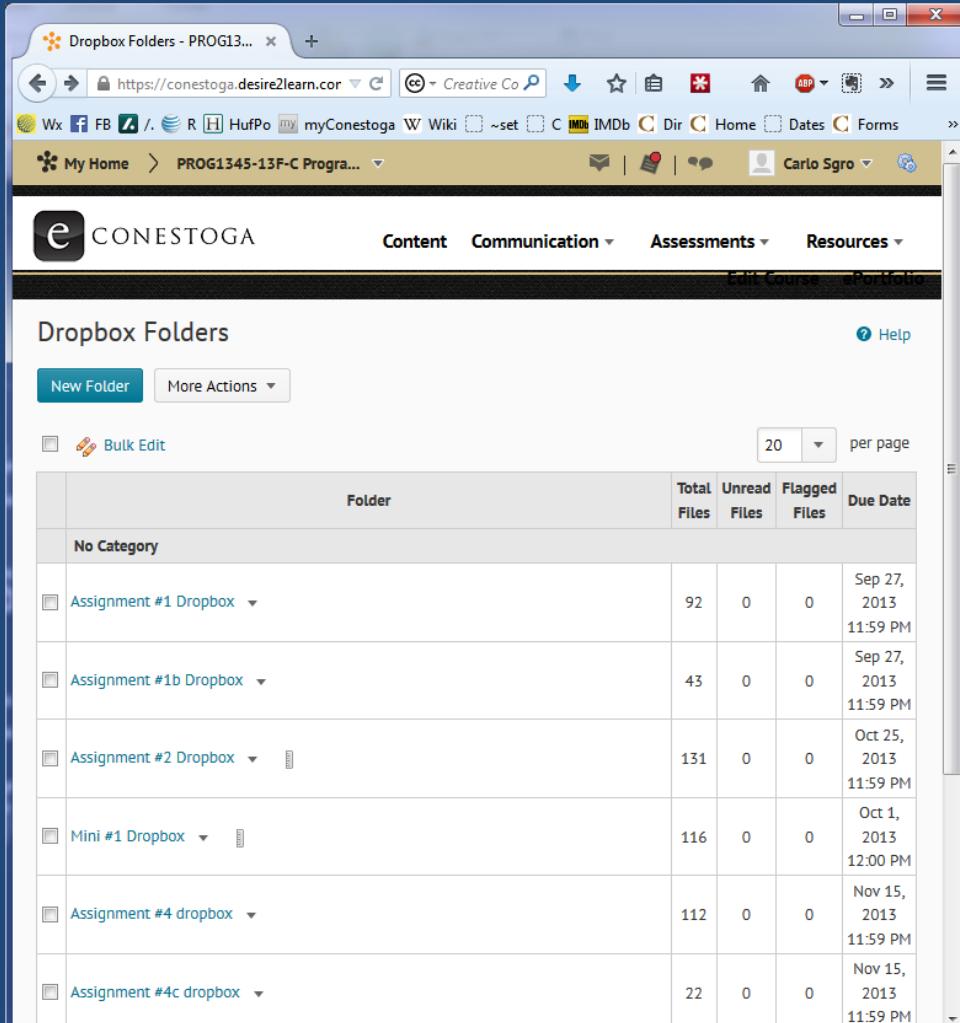
The Course Notes for the C Programming course are available in two different formats:

Role Switch ▾

Academic Dishonesty



Submitting Assignments (mostly covered before #1 is due)

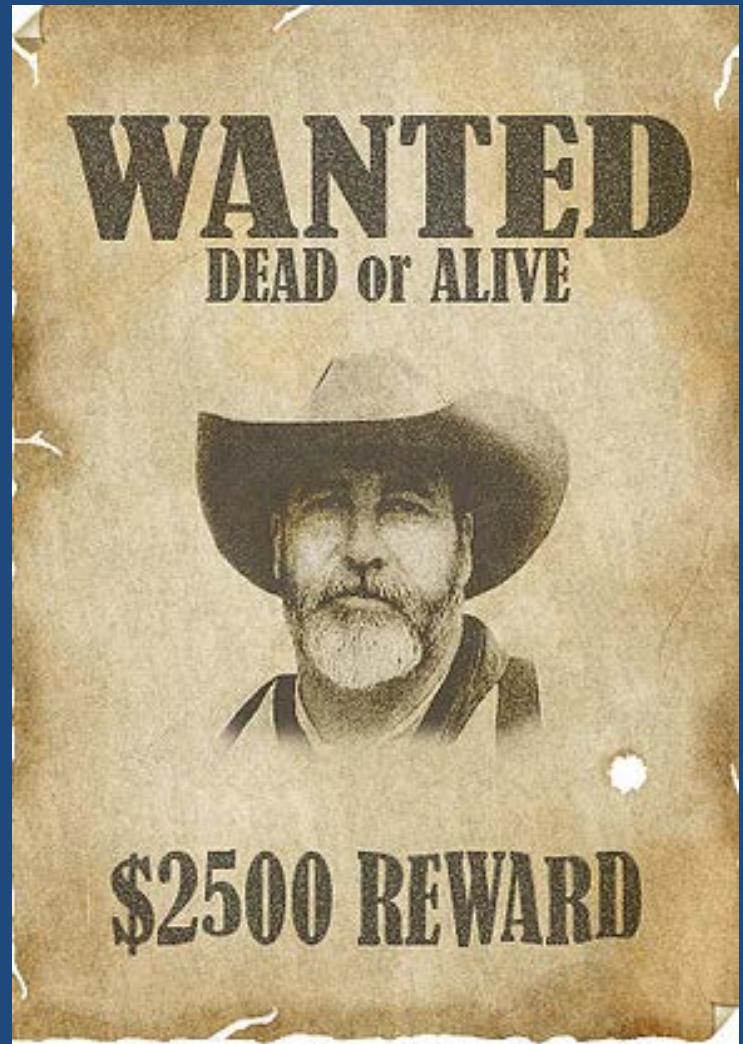


The screenshot shows a web browser window titled "Dropbox Folders - PROG1345-13F-C Program". The address bar indicates the URL is <https://conestoga.desire2learn.com>. The page is part of the eCONESTOGA platform, specifically the "Assessments" section. The main content area is titled "Dropbox Folders" and displays a list of folders with the following data:

Folder	Total Files	Unread Files	Flagged Files	Due Date
No Category				
Assignment #1 Dropbox	92	0	0	Sep 27, 2013 11:59 PM
Assignment #1b Dropbox	43	0	0	Sep 27, 2013 11:59 PM
Assignment #2 Dropbox	131	0	0	Oct 25, 2013 11:59 PM
Mini #1 Dropbox	116	0	0	Oct 1, 2013 12:00 PM
Assignment #4 dropbox	112	0	0	Nov 15, 2013 11:59 PM
Assignment #4c dropbox	22	0	0	Nov 15, 2013 11:59 PM

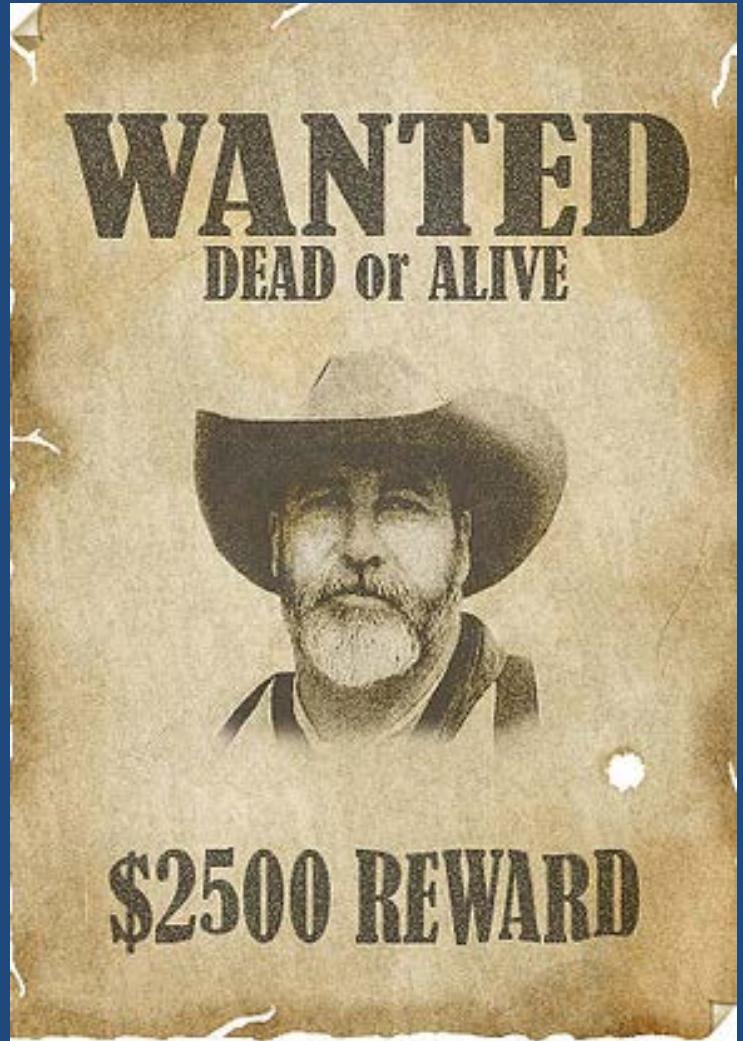
Instructor
Absence?

Check
eConestoga!



You were absent?

Check
eConestoga
and ask a
classmate!



Religious Holiday on a Due Date?

Let your prof know
in the first 3
weeks

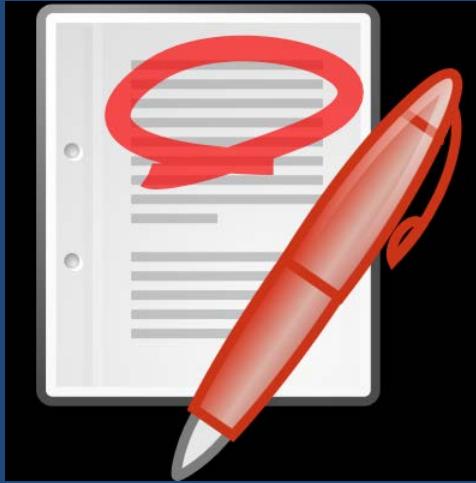


Review!

What's Carlo's e-mail address?

Review!

When I lend my assignment
solution to the guy sitting next
to me, how many props will I
get?



We've gone over the highlights



You still have to read
the entire document
yourself (in *Course
Information*)

Review!

How do I find the Course Policy Paper?

OK, now ... Why should you care?



So, really what do you want?



A job?

No!





I wish I had
passed C

What then?



To learn?

Not enough!



What then????

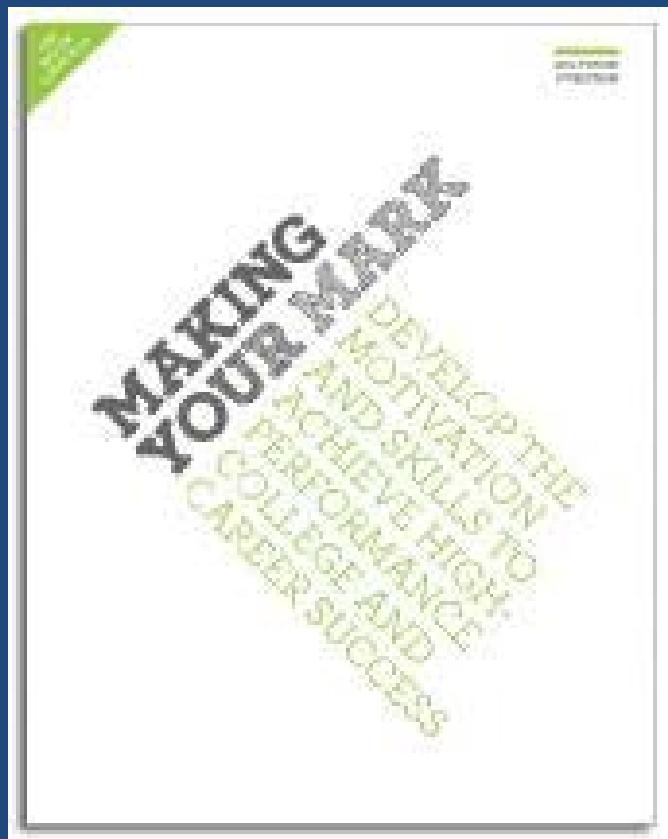


A career!

Just any career?

A great
career!





“Great career”

==

“High- performance career”



Why “High-performance”?



Your life will change

You need to change with it



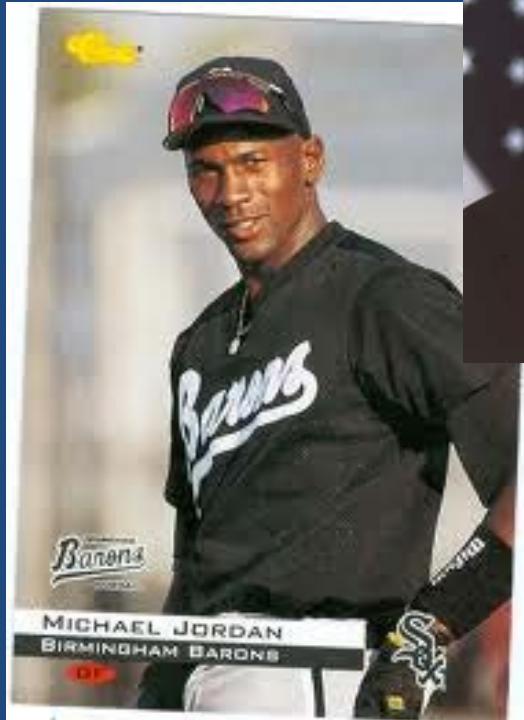
Average stay with an employer
is ...



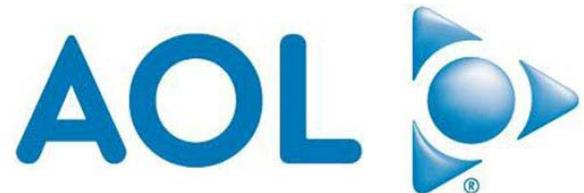
3.4 to 3.8
years



Most people
don't stay
with the
same career



Especially, software careers
change dramatically



“Develop a complete set of employability skills ...



... that will see you through any number of career changes.”



Review!

Why should I care?

What is a High-Performance Career?

I. You like doing it



2. Has
potential for
advancement



3. Has good salary



4. Requires long-term strategy



5. Unlimited
potential
through
continuous
learning and
growth



Or, you could always ...

Minimum wage
over a lifetime:

\$800,000



Versus ...

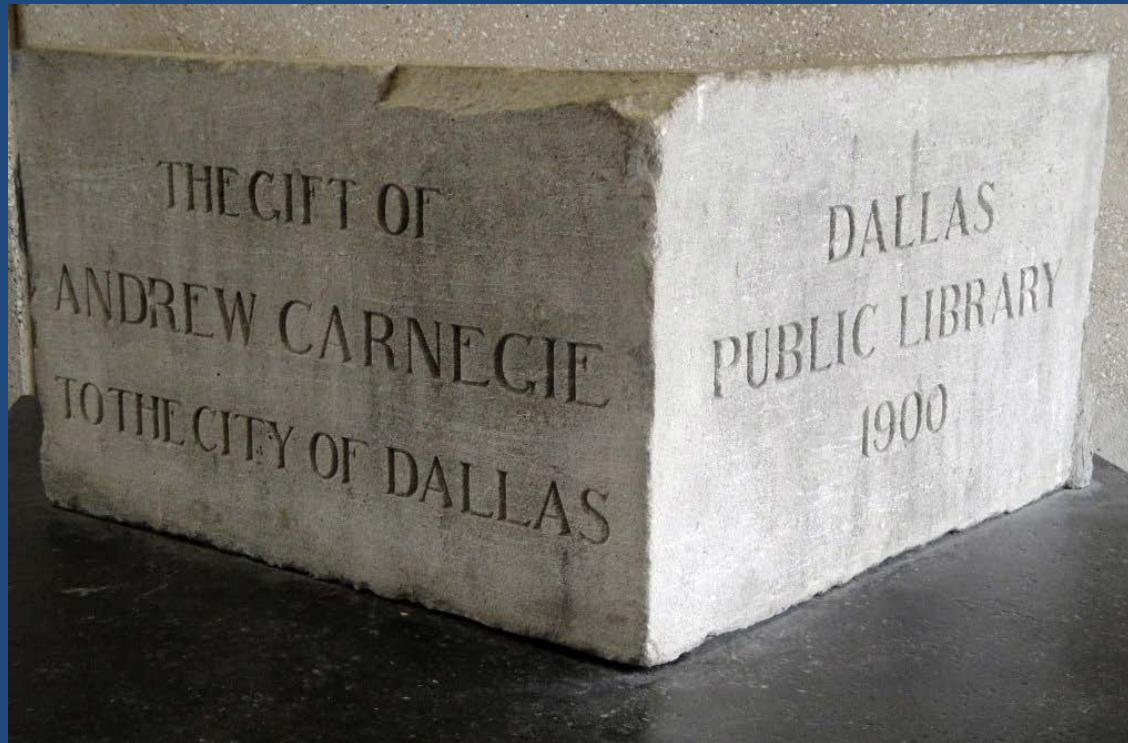
High-performance
career over a
lifetime:
\$3,000,000



OK, so how do I get there?



8 Cornerstones





1. Attitude
2. Educational and Career Vision
3. Self-management Skills
4. Fundamental Skills



5. Workplace Skills

6. Contacts

7. Experience

8. Personal Life

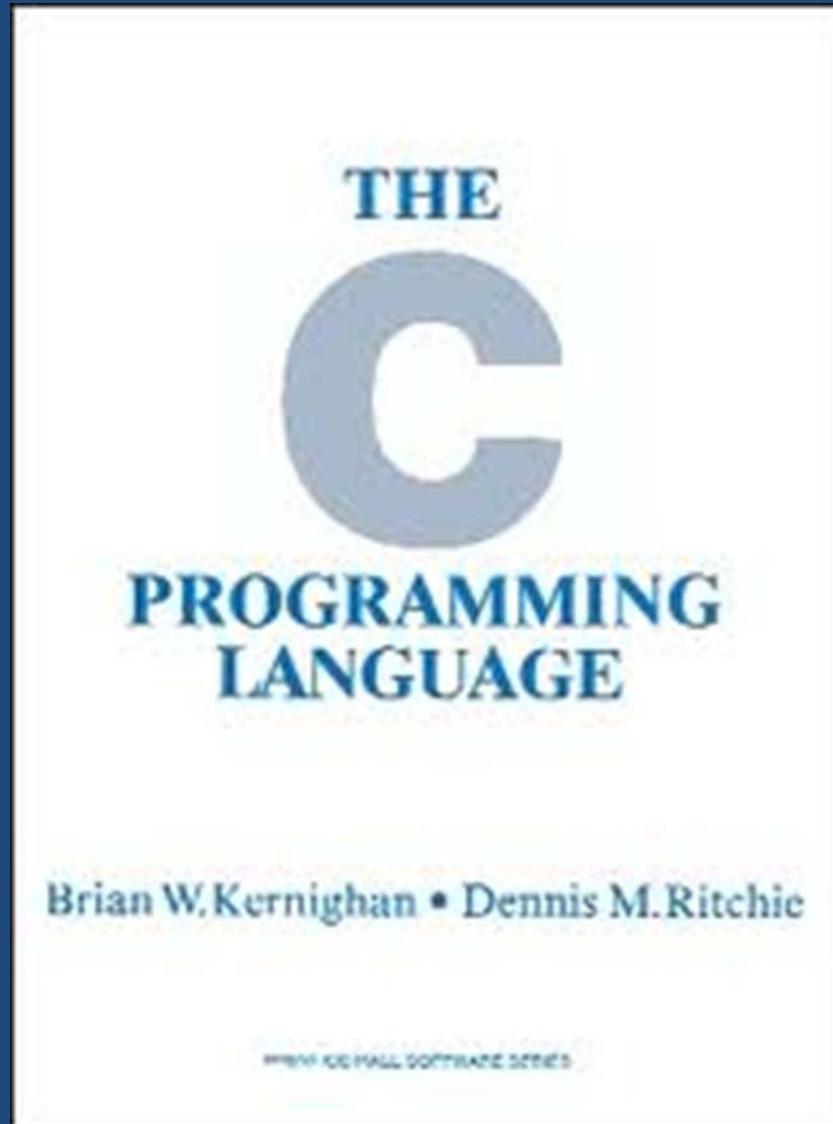


Review!

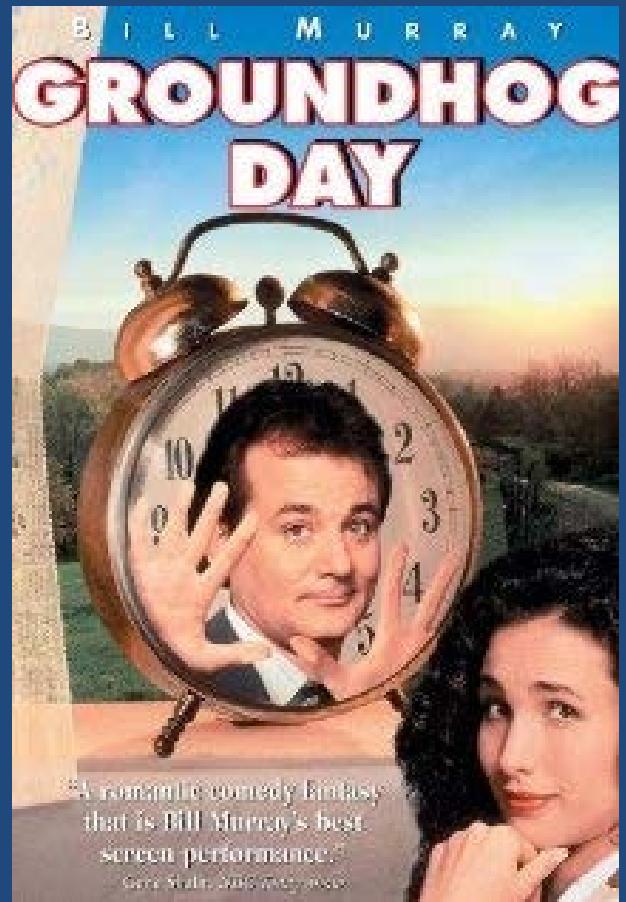
Why does it matter?

Why in this class?

C Programming is
a prereq for
almost all Winter
courses



If you fail C, you've
basically
lost a year



Cost of losing a year:



One semester's tuition plus
incidentals is about \$2000



But Wait . . .

**THERE'S
MORE!**

You might not be able to get into Co-op



Four semesters of
Co-op salary at \$20 / hr:
\$50,000 lost



But Wait . . .

**THERE'S
MORE!**

You've delayed entering the
workforce after graduation



One year of grad salary: \$50,000
(or more) lost



And you'll be
less attractive
to employers



6 months of extra job hunting:
\$20,000



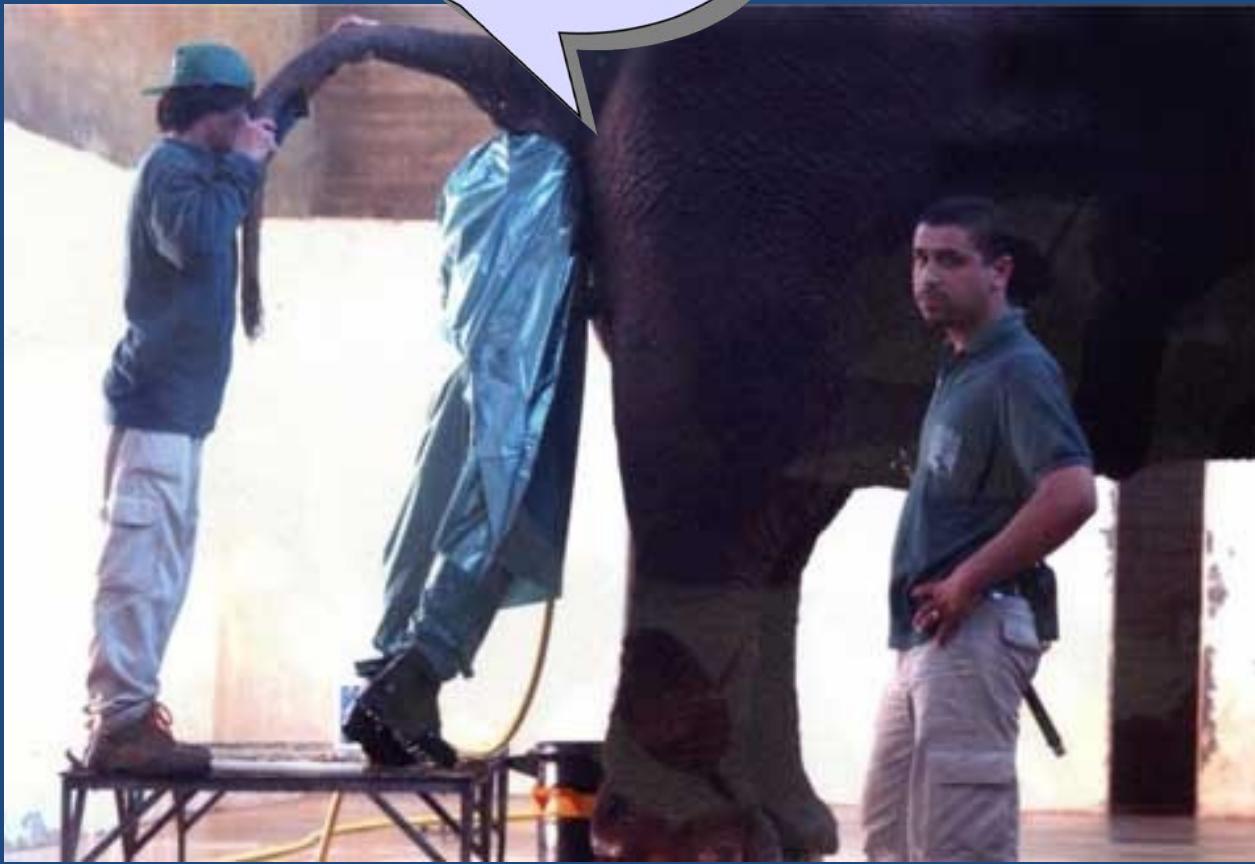
Five years of lesser salaries until
you catch up to the others:
\$50,000 lost



Total cost: \$172,000



I think I see
\$172,000
somewhere



So, don't
fail
C!



Review!

Do you have \$172,000 handy?

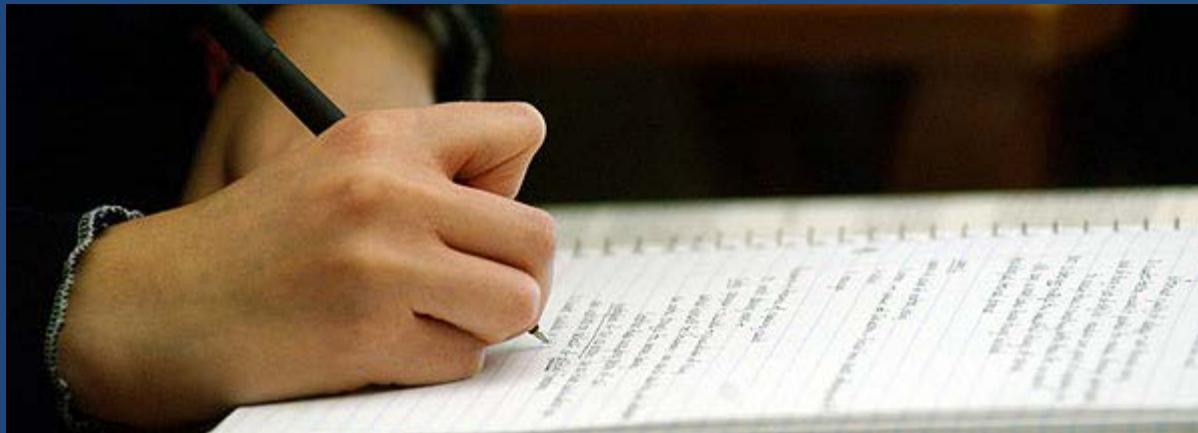
Here's some
things you can
start with
(from “Making
Your Mark”)



Organize your time (Chapter 2)



Take notes in class (Chapter 3)



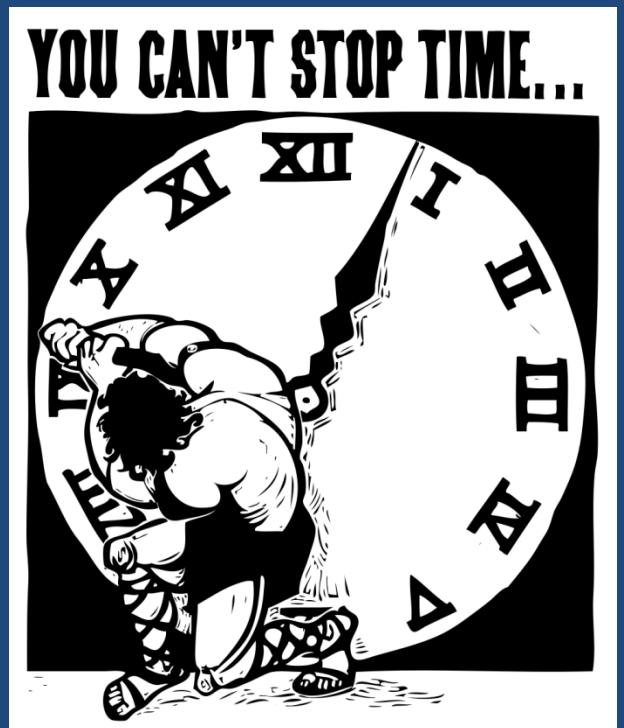
Interesting study
at UCLA
about
handwriting vs.
typing notes



Come to every class (Chapter 4)



Start assignments
when you get
them (Student
Forum @
Orientation)



Get to know at least 3 to 5 new people in your class today and exchange contact information



WE MEET
PEOPLE FOR
A REASON.
EITHER THEY'RE
A BLESSING OR
A LESSON.

WWW.LIVELIFEHAPPY.COM

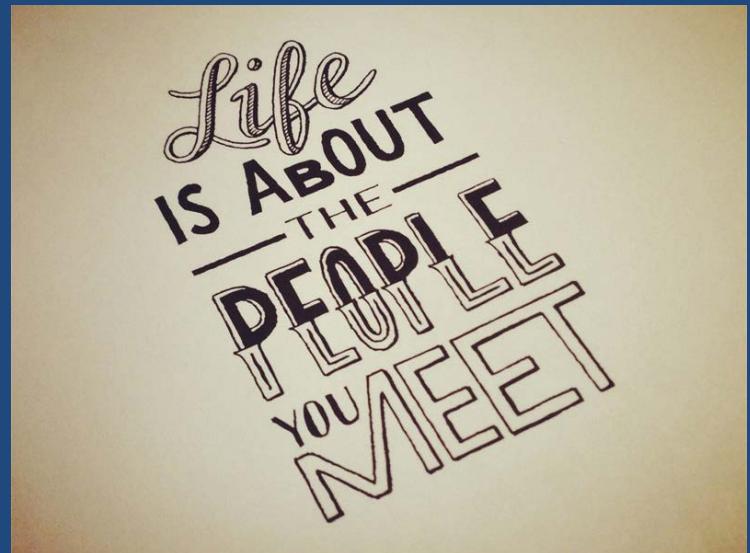
We'll be
doing this
later



Review!

What are some of the things
you can try to make your time
here better?

How about a
great way to
get to know
people ...



The



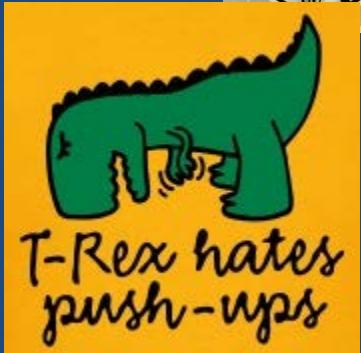
It has

RULES

Teams of 3 to 5



Team name



Bring stuff in



Ask, but only
the right people



Reuse items



Be creative!





The judges are
infinitely wise



Borrowing is good

Stealing is bad

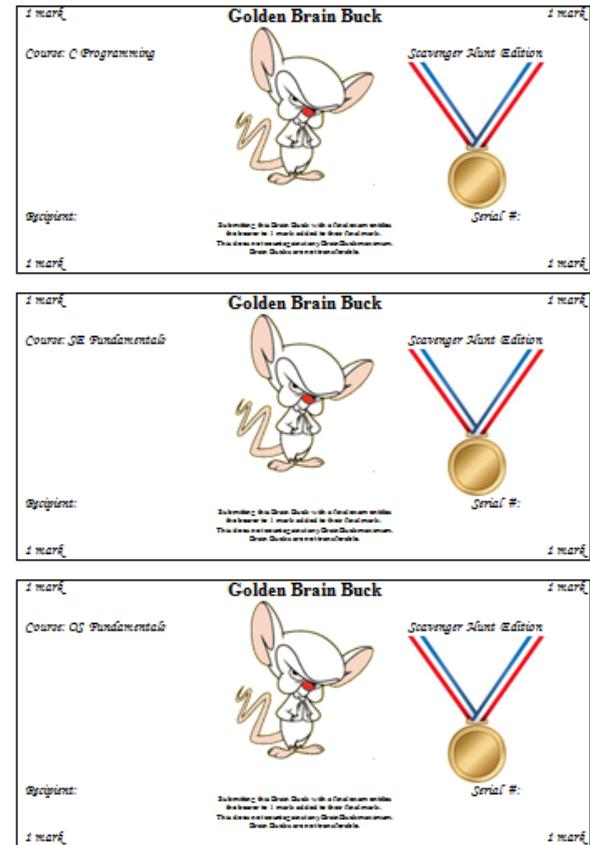




**Win
Prizes!**

A red starburst graphic with the text "Win Prizes!" in yellow. The starburst has a white outline and a yellow center. The text is in a bold, sans-serif font.

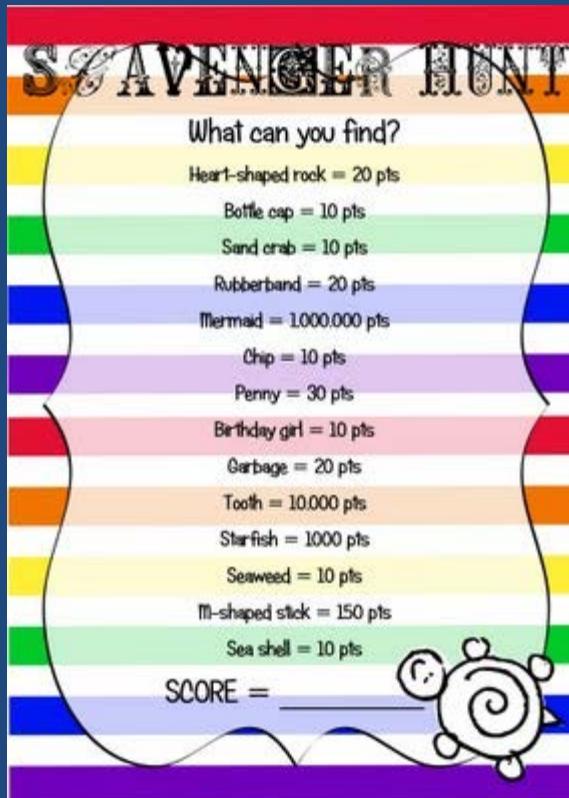
Free marks!



Have fun!



The List will come soon!



Review!

How do you make a Scavenger Hunt team?

Another way
to get to know
people ...

The
Online
Introductions!

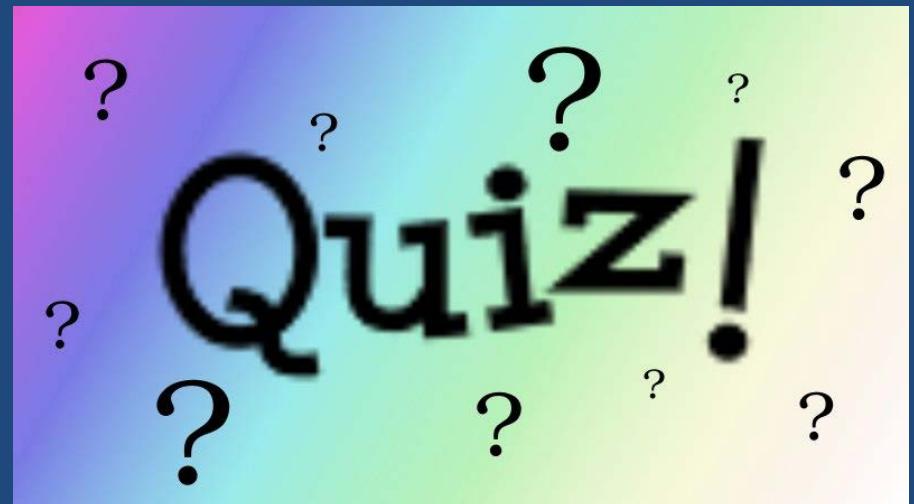


Review!

Tell me something about
yourself right now!

Things about today's lab class

There's a quiz today
about Orientation



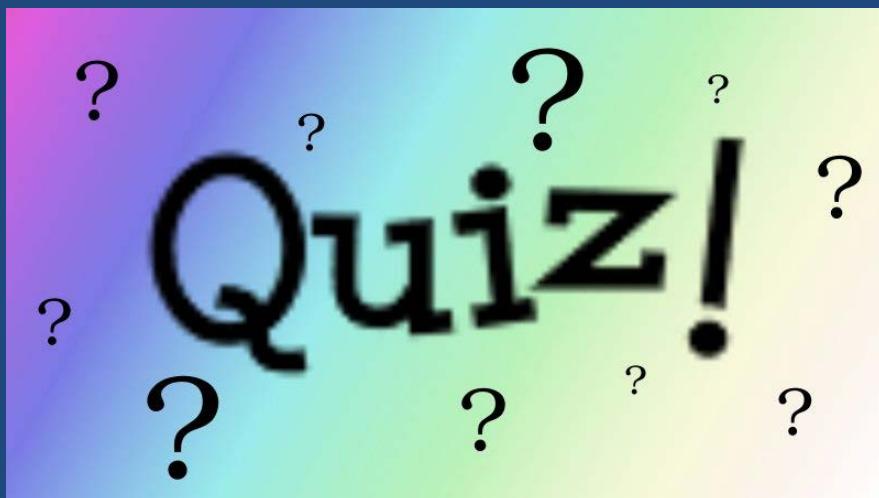
(pick up an Orientation
Handbook after class if you
weren't at Orientation)



You must do the quiz
in class



There will be
a quiz in
every lab



It's your responsibility
to do them



If you forget or miss it,
oh well ...



(they're not worth
a lot of marks)



Also, you should turn on
your computers
and log in
as soon as you can



Review!

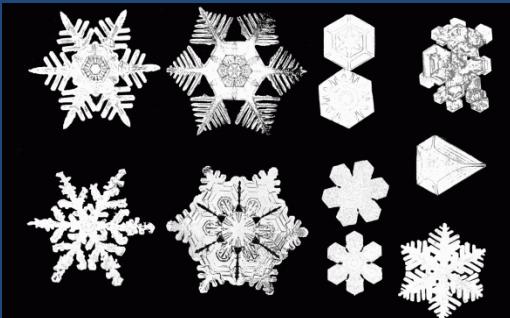
What's with those quizzes?

**AND NOW FOR
SOMETHING
COMPLETELY
DIFFERENT**



Another Icebreaker

Think of something
that makes you unique
(but not obviously so)



We'll take attendance and have you
mention it.

Then see if anyone else is the same



Summary

It's a good start!