



comp1511 week 2

starting ~11:05am

Ada Luong

important things to note

- **assignment 0** has been released
- set up **home computing** (vlab or otherwise) so you can access cse machines outside of lab time
- log into **ed** (the course forum)
- **tutorial code** can be found at https://github.com/adaluong/cs1511_22t3/
- **email:** ada.luong@unsw.edu.au
 - if you have a programming question -> search & post on the forum

questions?

what's happening today?

- calculating values in programs
- diagramming program flows
- weird data types and arithmetics
- programming exercise: scanf, printf, if statements

operators in C

What tools do we have available for doing mathematics in our program?

list as many operators as you can think of!

<https://livecloud.online/en/wordcloud>

types of operators

difference between % and / operator?

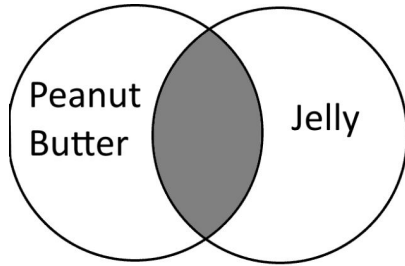
operators

Arithmetic: + * / - %

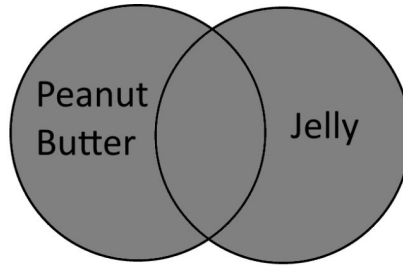
Comparison: == <= != >= > <

Logical: && || !

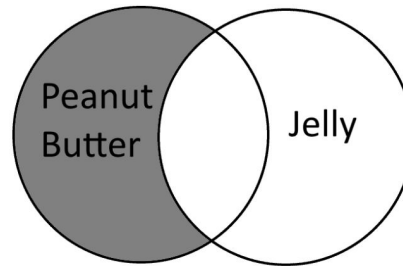
logical operators



pb **&&** jelly
AND



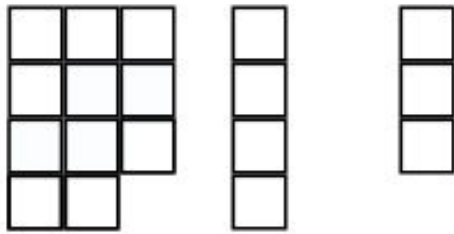
pb **||** jelly
OR



!jelly
NOT

% operator

gives the remainder



$$11 \bmod 4 = 3$$

ComputerHope.com

Modulo Calculator by Peter Kerr (Tutor)

<https://repl.it/@Divinitus/Modulo-Calculator>

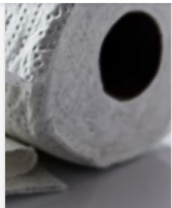
(will push a copy onto github)

- $5 \% 3$
- $1 \% 2$
- $-1 \% 2$

weird data types and arithmetic

<https://play.kahoot.it/v2/?quizId=0b9d9385-3622-45bc-9829-6ab7e2352188>

**making decisions
with computers :0**



Nobody Can Ace This Random Knowledge Quiz Except For Legitimate Nerds

Ten questions doesn't seem like a lot until you're asked what the safest temperature to consume poultry is.

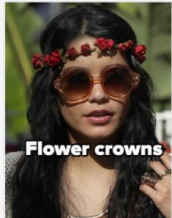
Audrey Engvalson



Let's See How Controversial Your Pasta Opinions Really Are

Pasta lovers only!

xoxobug



Not To Be Dramatic, But We Can Guess Your Exact Age Based On The Fashion Trends You've Tried

Don't lie to me, I know you had side bangs!!!

Lauren Garafano



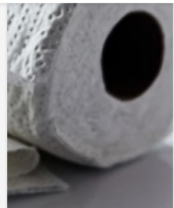
Which Olivia Rodrigo Song And Color Are You?

Are you getting "Deja Vu" taking this quiz...

beccajayne17



Did You Know We Can Accurately Guess The Shape Of Your Ears Based On Your Taste In Breakfast Foods?



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xoxo



Guess Your Fashion Trends

To me, I know you had side bangs!!!

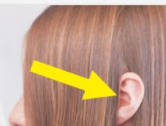
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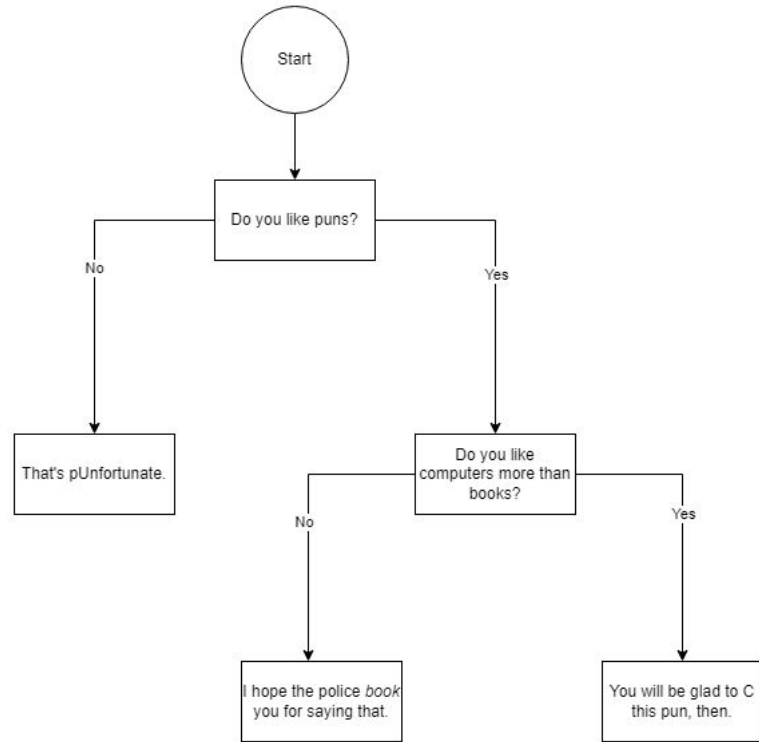
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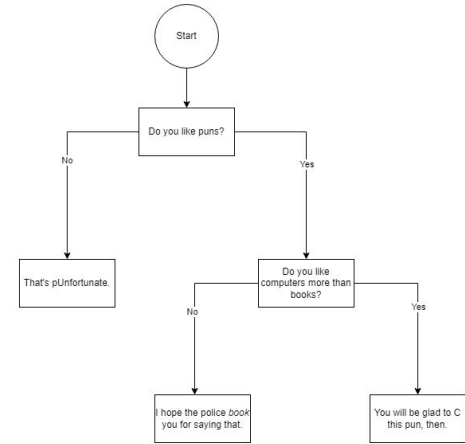
diagramming a small program



diagramming: leap year

The three rules of a leap year may help with this activity:

- Years divisible by 4 are leap years
 - e.g. 1904 was a leap year
- Except, years divisible by 100 are not leap years
 - e.g. 1900 was NOT a leap year
- Except, years divisible by 400 are always leap years
 - e.g. 2000 was a leap year



coding time :D