

Tute 02

COMP1511 22T3

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assignment 0

cs_matches

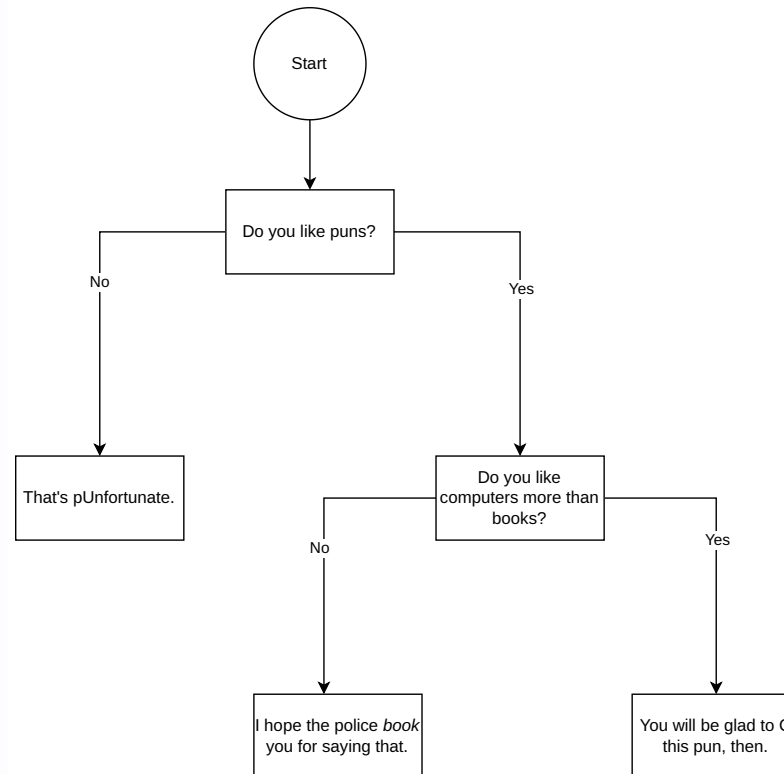
due week 3 friday

operators

Type of Operator	Operators					
Arithmetic	+ - * / %					
Logic	&& !					
Comparison	<	>	<=	>=	!=	==

flow charts

we don't directly assess you on these, but very useful



leap year flow chart

- 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)

types

what have we seen so far?

expressions

"math / conventional" result (if it makes sense)?
result in C and what type does it have?

- $(7/2)$
- $(3.0 / 2) + 1$
- $'a' + 5$
- $'F' - 'A' + 'a'$

Expression	Math	C	C type
<code>(7/2)</code>	3.5	3	integer
<code>(3.0 / 2) + 1</code>	2.5	2.5	double
<code>'a' + 5</code>	?	'f'	char
<code>'F' - 'A' + 'a'</code>	?	'f'	char

programming

- Scans in two integers (`a` and `b`).
- If the first integer is less than the second, prints out a short error message using a procedure.
- If the second integer is 0, prints out a short error message.
- If the first integer is larger than the second, prints `a` / `b` and `(a * 1.0) / (b * 1.0)` .