

Nicole Luong

Week 2

Operators, Data types, Arithmetic, If Statements

The background features several thick, hand-drawn style teal lines. One line starts from the left edge, curves downwards, and then turns right towards the bottom right. Another line starts from the top left, goes right, then down, then right again, and finally down towards the bottom right. A third line starts from the top left, goes right, then down, then right again, and finally down towards the bottom right. These lines create a sense of movement and structure.

Before we begin

Home Computing

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Tutorial Overview

1. Operators
2. Data Types and Arithmetic
3. Programming: Variables & Constants
4. Flow Charts (If Statements)
5. Programming: If statements & scanf

Operators

Operators

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

What is the difference between `/` and `%`?

Data Types & Arithmetic

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Data Types

int - integers (whole numbers)

double - floating point number (decimal point)

char - character

A (7 / 2)

B (3.0 / 2) + 1

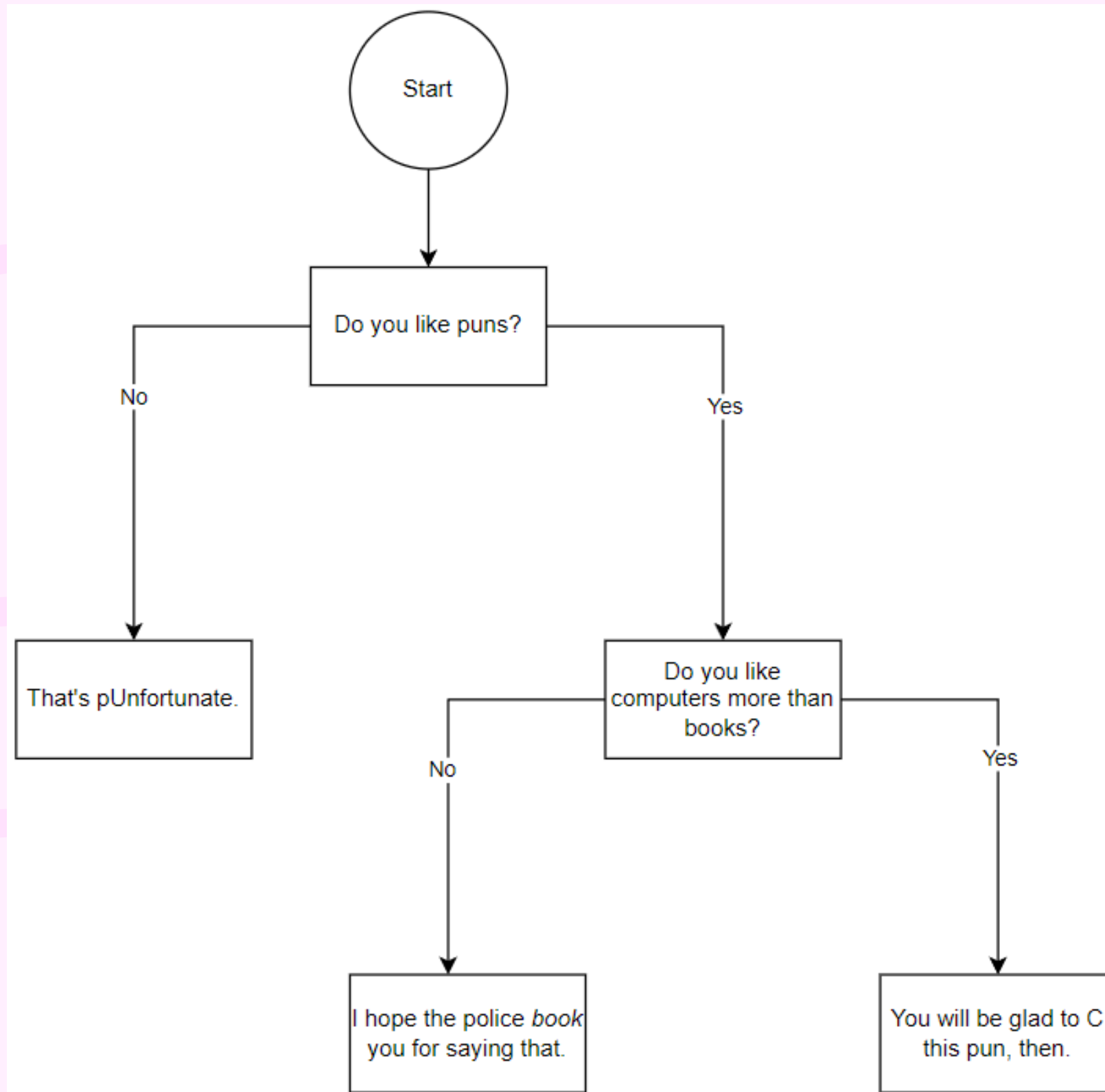
C 'a' + 5

D 'F' - 'A' + 'a'

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Programming: Variables and Constants

Flow Charts (If Statements)



Features:

Circle - Start of the flow chart

Boxes - Question

Arrows - An answer to a question, directing you to the next question

Programming: If Statements & scanf

A decorative graphic consisting of several thick, light pink lines that intersect and loop across the left side of the slide, creating a stylized, abstract pattern.

Lab Time!

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