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Week 2

Operators, Data types, Arithmetic,If Statements

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	+	-	*	/	%	
Logic	&&	||	!			
Comparison	<	>	<=	>=	!=	==

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

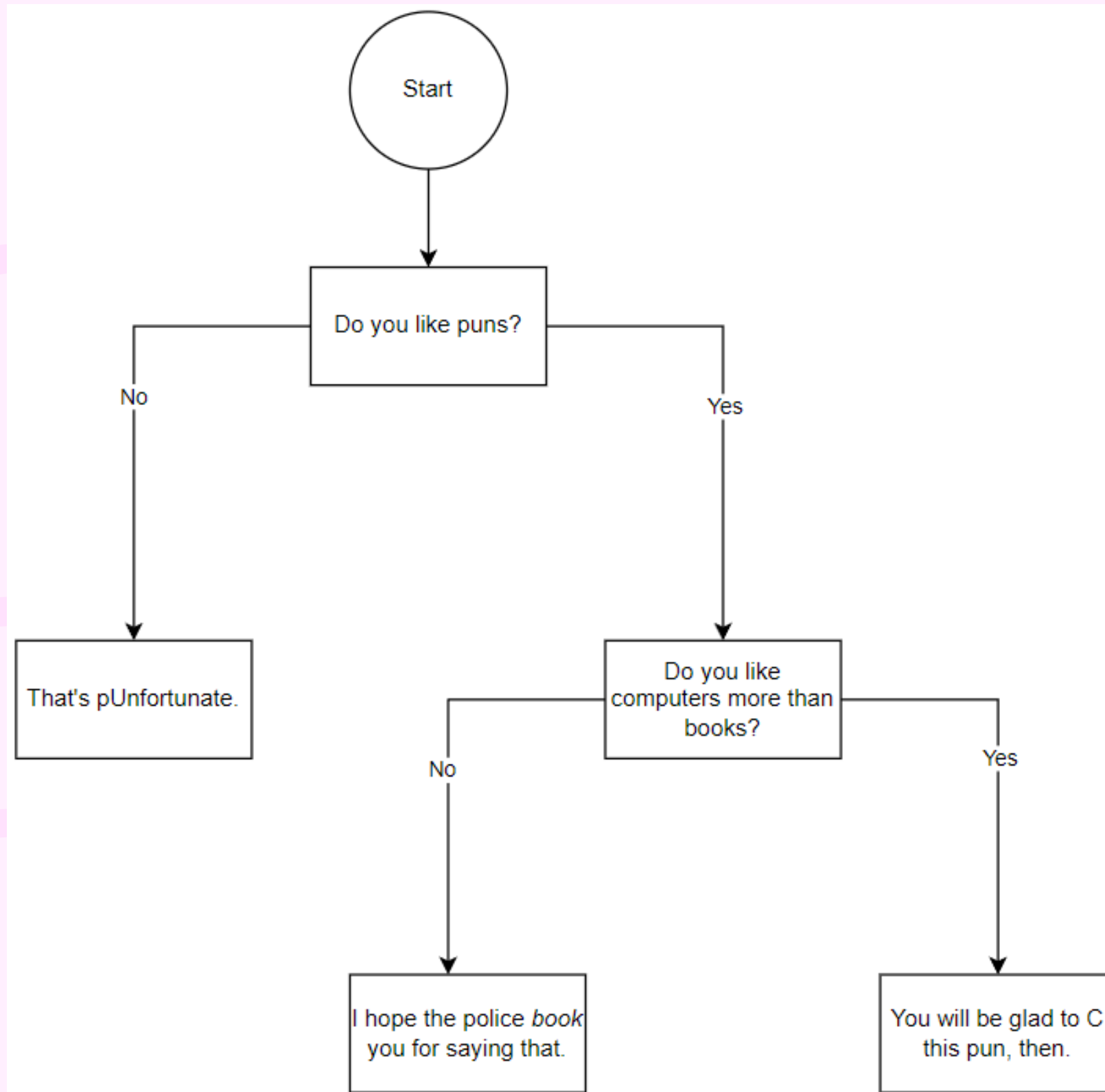D 'F' - 'A' + 'a'

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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

Lab Time!