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FIT 100 Operators:

- * CONCEPT: Operators are used to combine expressions (logical operators) or to compare expressions (relational operators)
 - They are used in combination with values, or variables that contain values both called operands when using operators- to complete the expression formulae
- Most programming languages have more logical operators than a pocket calculator □ Operators like + taking 2 operands are called binary: a + b

□ Operators like - taking 1 operand are called unary: - a * A very useful logical operator is concatenate, & in VB6,

which connects two strings or variables together: □ plural = "dog" & "s"

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FIT 100 Operators

- * CONCEPT: Relational operators are often used in conditional statements to create expressions that evaluate to either "true" or "false"
- The relational operators in VB6 are:
 - a < b less than a > b greater than
 - less than or equal to a >= b greater than or equal to
 - a = b equal to

a <= b

a < > b not equal

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FIT 100 Let's Move From Theory to Practice!

 We want to write a program that takes an integer as input and outputs whether or not the integer is a positive number

□ How should we get the user's input?

How do we tell if the input is positive or negative?

What should we do with an input of zero?

□ How do we get started?

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FIT 100 For Monday

- * Read Chapters 13 and 14 of the FIT course pack
- Reading through Lab 9
- Project 2, part 1 is due Wednesday
 You will submit through the web your project, form and executable files

□ The link will be up by Monday on the Project Turn In page

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Writing a VB6 Program

Sign Find is preparation for Project 2. You will finish the more complex version called Sign Finder for Lab 9. We will start and debug this program

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FIT Form Set-up (the interface) Components (controls, objects, items) needed for the form			
Heading text		OK button	
- a label control		 a command control 	
 12 radio buttons – each with its ow 	n name	 Clear button a command control 	
		Sign display	
		 a label control 	
🛋 Sign Find		_ D ×	1
Select the range that contains your birthday			
O January 20 to February 18	🗆 May 21 to June 20	September 23 to October 22	
© February 19 to March 20	O June 21 to July 22	October 23 to November 22	
O March 21 to April 19	C July 23 to August 22	O November 23 to December 21	
• April 20 to May 20	O August 23 to September :	22 O December 22 to January 19	
Tell me my sign!		Go Again!	University of Washington

FIT 100 Initial Program Code Steps

- Declare a variable named sign as a string to hold the sign values for each range of dates
- For each month's click event handler, assign to sign the string value of the the sign for that range
- * For the OK button click event handler
 - Make the label that will display the sign text visible
 - Make the OK button invisible
 - Make the clear button visible
 - Display the value in sign in the caption of the sign display label

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