Objective: Become more familiar with C++ I/O and basic mathematical operations using `if()` and `else if()` statements to write a calculator that uses postfix notation.

Description: Write a program that calculates values based upon a character and the two numbers (integers) that are entered, using postfix notation. The character represents the operation (e.g., `+`, `-`, `*`, `/`, `%`) to be performed and the two numbers are the operands. For example, the input expression `5 3 *` represents `5 * 3` (this is known as post-fix notation).

Note: All computations are to be done using integer arithmetic.

Outline of solution:

1. Prompt user for input (a valid postfix expression).
2. Get values and operator (one statement).
3. Calculate result based upon the operator.
4. Print operation and result.

Note: The expression is to be read using a single prompt followed by a single input statement, i.e., you cannot prompt separately for the operator and operands.

Deliverables:

- Program—fully documented.
- Output—test your program using the following input expressions:
  
  7 5 +, 149 261 +, -13 5 +, -31 -5 -, 4 -3 %, -92 -2 /, 7195643 4512437 *, 9 0 /

- Sample calculation sheet—In addition to your program and output, attach a page showing your sample calculations. Check your results using your sample calculations. Explain any differences you encounter between the output from your program and your sample calculations.

If you have any questions regarding this assignment, do not hesitate to contact me. Start working on this assignment as soon as possible, so that you have plenty of time to get help if you need it.