159.201 Algorithms & Data Structures
Assignment 2

Write a C++ program to evaluate a single Reverse Polish Notation (RPN) expression. Numbers appearing in the expression are all integers, and permitted operators are +, -, * and / (integer division). The expression is to be read from standard input, and the result is to be printed to standard output. When the input is not a valid RPN expression (e.g. mismatch of numbers and operators, division by zero), print INVALID instead. For example:

Input	Output
1 2 + 3 *	9
1 + 2	INVALID
7 -2 + 2 /	2
7 2 2 - /	INVALID

Note: The tutorial presents an algorithm in pseudocode for this task.

You can use CodeRunner to test your work, but must submit your assignment as usual.