# HW1. (Programming) Evaluation of postfix expression

Construct a program that evaluates postfix expressions. For example, if given a postfix expression “”, your program should output 6.

Your program has to read postfix expressions from a file, “postfix.in”, calculates answers, and outputs them into a file, “postfix.out”. The first line in “postfix.in” denotes the number of postfix expressions, . The following lines contain  postfix expressions. Assume that the number of terms of an expression is less than 100, and all intermediate calculations of an expression result in integer values.

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postfix.in.

2

3 4 \* 2 /

4 2 / 1 – 3 4 \* + 4 1 \* -

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postfix.out

2

6

9

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Notes: You have to make postfix?...?.c for a source code file, postfix?...?.exe for an execution file, and postfix?...?.doc for an explanation file of your algorithm. ?...? denotes your student ID. For example, a student with a student ID, 2001571010, has to make three files, postfix2001571010.c, postfix2001571010.exe, and postfix2001571010.doc. And then you have to upload postfix2001571010.zip which is a compressed file of the three files. The score is given to the student who outputs the exact results according to the output format. Good Luck !