

Question 3

In question three we are tasked with reworking the calculator we have created from questions one and two but reworking it to use Reverse Polish Notation. Reverse Polish Notation basically looks like this:

Expression Expression Function

Ex: 10 7 *

Evaluation: 70.0000

Basically instead of the normal way of writing out a math equation, your operator goes at the end instead of between the terms. This was very simple to modify as the rule logic for the calculator is very straight forward. Instead of having:

Expression DIVIDE Expression { \$\$=\$1/\$3; } // DEVISION

We now have the following:

Expression Expression DIVISION { \$\$=\$1/\$2; } // DEVISION

This question was very easy to implement.

REFERENCES

<http://www-h.eng.cam.ac.uk/help/tpl/languages/flexbison/>
<http://www.gnu.org/software/bison/manual/bison.html>