**Arithmetic Expression Evaluator**

User’s Manual

Version 1.0

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Revision History

| **Date** | **Version** | **Description** | **Author** |
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**Test Case**

# Purpose

Arithmetic Purpose Evaluator

The features are

# IntroductionThis software is a functionality to run arithmetic equations.

g++ -std=c++17 parser.cpp -o main // This line is for compiling the code

./main // This code is to run the code

# Getting started

To use the software you need to have the two files ExpressionItem.h and parser.cpp in the same folder. To use the code you have to use the terminal and go to the address of the folder that the files are in. After having the correct address you type “ g++ -std=c++17 parser.cpp -o main ” to compile the code. Then type “ ./main ” to run the code. Once the code is running it will ask you to type in an equation. You type in an equation press enter then it will print a number. To be able to use the code again you will have to type “ ./main ” to be able to run it again.

# Advanced features

This program comes with error detection feedback and deals with extraneous parentheses .

# Troubleshooting

The code can not compute unary operations or arithmetic expressions with double digits any other problems can be solved by reloading the code

# Examples

Enter a Mathematical Expression:

3-2+(3^2)

Result: 10

# Glossary of terms

# Arithmetic - Mathematical term

# FAQ

Q- What should I do if the code won't run?

A - Make sure you compiled the code