Reverse Polish Calculator

Generated by Doxygen 1.8.8

Fri Sep 5 2014 15:12:56

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6.2 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/obj/Debug/↩ TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference 11

6.3 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/obj/Debug/↩ TemporaryGeneratedFile_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference 11

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6.5 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/ReversePolish↩ Calculator.cs File Reference 11

6.6 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/ReversePolish↩ Calculator.tests.cs File Reference 12

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Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

ReversePolishCalculator 7

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

ReversePolishCalculator.ReversePolishCalculator
The class takes a string as input, and if the string is in the format of a reverse Polish calculator expression, then it will calculate and return the result. Features Can handle the operators: +, -, ∗, /, sqrt, cos, sin and pov (^) Can handle negative numbers if written in the form -x Tokens are separated by a whitespace. If a "token" includes a letter then the token is ignored 9
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Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

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Chapter 4

Namespace Documentation

4.1 Package ReversePolishCalculator

Classes

- class **ReversePolishCalculator**

  The class takes a string as input, and if the string is in the format of a reverse Polish calculator expression, then it will calculate and return the result. Features Can handle the operators: +, -, ∗, /, sqrt, cos, sin and pov (^) Can handle negative numbers if written in the form -x Tokens are separated by a whitespace. If a "token" includes a letter then the token is ignored.
- class **ReversePolishCalculatorTests**

Chapter 5

Class Documentation

5.1 ReversePolishCalculator.ReversePolishCalculator Class Reference

The class takes a string as input, and if the string is in the format of a reverse Polish calculator expression, then it will calculate and return the result. Features Can handle the operators: +, -, ∗, /, sqrt, cos, sin and pov (^) Can handle negative numbers if written in the form -x Tokens are separated by a whitespace. If a "token" includes a letter then the token is ignored.

Static Public Member Functions

- static decimal **CalculateExpression** (string rpce)

  Calculates the input reverse calculator string expression. Can handle a number of faulties.

5.1.1 Detailed Description

The class takes a string as input, and if the string is in the format of a reverse Polish calculator expression, then it will calculate and return the result. Features Can handle the operators: +, -, ∗, /, sqrt, cos, sin and pov (^) Can handle negative numbers if written in the form -x Tokens are separated by a whitespace. If a "token" includes a letter then the token is ignored.

5.1.2 Member Function Documentation

5.1.2.1 static decimal ReversePolishCalculator.ReversePolishCalculator.CalculateExpression (string *rpce*) [static]

Calculates the input reverse calculator string expression. Can handle a number of faulties.

Parameters

rpce	A String in the Reverse Polish Calculator expression format

Returns

0 if faulty otherwise the result

The documentation for this class was generated from the following file:

- D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/**ReversePolishCalculator.cs**

5.2 ReversePolishCalculator.ReversePolishCalculatorTests Class Reference

Public Member Functions

- void **TestNullInput** ()
- void **TestEmptyInput** ()
- void **TestPlusOperator** ()
- void **TestMinusOperator** ()
- void **TestMultiplyOperator** ()
- void **TestDivideOperator** ()
- void **TestPovOperator** ()
- void **TestSinOperator** ()
- void **TestCosOperator** ()
- void **TestSqrtOperator** ()
- void **TestComplexExpressionOperator** ()
- void **TestExpressionWithLettersOperator** ()

5.2.1 Member Function Documentation

5.2.1.1 void ReversePolishCalculator.ReversePolishCalculatorTests.TestComplexExpressionOperator ( )

5.2.1.2 void ReversePolishCalculator.ReversePolishCalculatorTests.TestCosOperator ( )

5.2.1.3 void ReversePolishCalculator.ReversePolishCalculatorTests.TestDivideOperator ( )

5.2.1.4 void ReversePolishCalculator.ReversePolishCalculatorTests.TestEmptyInput ( )

5.2.1.5 void ReversePolishCalculator.ReversePolishCalculatorTests.TestExpressionWithLettersOperator ( )

5.2.1.6 void ReversePolishCalculator.ReversePolishCalculatorTests.TestMinusOperator ( )

5.2.1.7 void ReversePolishCalculator.ReversePolishCalculatorTests.TestMultiplyOperator ( )

5.2.1.8 void ReversePolishCalculator.ReversePolishCalculatorTests.TestNullInput ( )

5.2.1.9 void ReversePolishCalculator.ReversePolishCalculatorTests.TestPlusOperator ( )

5.2.1.10 void ReversePolishCalculator.ReversePolishCalculatorTests.TestPovOperator ( )

5.2.1.11 void ReversePolishCalculator.ReversePolishCalculatorTests.TestSinOperator ( )

5.2.1.12 void ReversePolishCalculator.ReversePolishCalculatorTests.TestSqrtOperator ( )

The documentation for this class was generated from the following file:

- D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/**ReversePolishCalculator.tests.cs**

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File Documentation

6.1 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/obj/Debug/TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

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6.4 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/Properties/AssemblyInfo.cs File Reference

6.5 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/ReversePolishCalculator.cs File Reference

Classes

- class **ReversePolishCalculator.ReversePolishCalculator**

  The class takes a string as input, and if the string is in the format of a reverse Polish calculator expression, then it will calculate and return the result. Features Can handle the operators: +, -, ∗, /, sqrt, cos, sin and pov (^) Can handle negative numbers if written in the form -x Tokens are separated by a whitespace. If a "token" includes a letter then the token is ignored.

Namespaces

- package **ReversePolishCalculator**

6.6 D:/User (D)/Programmering/BDSA-Exercises/BDSA2014/ReversePolishCalculator/ReversePolishCalculator.tests.cs File Reference

Classes

- class **ReversePolishCalculator.ReversePolishCalculatorTests**

Namespaces

- package **ReversePolishCalculator**

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