

Prog. HW#1 Test Runs (each "box" is a separate run):

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Enter the input filename: HW1 Test Input1.txt
The postfix expression: 123.456 7.8 -
The infix equivalent: ( 123.456 - 7.8 )
The result of the evaluation: 115.656

The postfix expression: 3 2 * 5 4 * +
The infix equivalent: ( ( 3 * 2 ) + ( 5 * 4 ) )
The result of the evaluation: 26.0

The postfix expression: 9.8 12.3 -7.6 + /
The infix equivalent: ( 9.8 / ( 12.3 + -7.6 ) )
The result of the evaluation: 2.085106382978723

The postfix expression: 1928.3746
The infix equivalent: 1928.3746
The result of the evaluation: 1928.3746

The postfix expression: 78.0 901.0 - 234.0 56.0 + *
The infix equivalent: ( ( 78.0 - 901.0 ) * ( 234.0 + 56.0 ) )
The result of the evaluation: -238670.0
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Enter the input filename: HW1 Test Input2.txt
The postfix expression: 11111
The infix equivalent: 11111
The result of the evaluation: 11111.0

The postfix expression: 33. 444.0 /
The infix equivalent: ( 33. / 444.0 )
The result of the evaluation: 0.07432432432432433

The postfix expression: 9. 3. + *
The infix equivalent: Error
The result of the evaluation: 0.0

The postfix expression: 55. 6. * 77. -
The infix equivalent: ( ( 55. * 6. ) - 77. )
The result of the evaluation: 253.0

The postfix expression: 1010. /
The infix equivalent: Error
The result of the evaluation: 0.0

The postfix expression: 8.8 7.7 6.6 5.5 - / 4.4 + *
The infix equivalent: ( 8.8 * ( ( 7.7 / ( 6.6 - 5.5 ) ) + 4.4 ) )
The result of the evaluation: 100.32000000000002
```