

5 Examples of function

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Enter an arithmetic expression: ( ( ( ( 1 * ( 2 + 3 ) ) - 3 ) + 4 ) * 5 )
Expression in Infix: (((1 * (2 + 3)) - 3) + 4) * 5)
Expression in Prefix: * + - * 1 + 2 3 3 4 5
Expression in Postfix: 1 2 3 + * 3 - 4 + 5 *
Evaluation of the expression: 30
```

```
Enter an arithmetic expression: ( ( 9 - 2 ) / ( 4 * 2 ) )
Expression in Infix: ((9 - 2) / (4 * 2))
Expression in Prefix: / - 9 2 * 4 2
Expression in Postfix: 9 2 - 4 2 * /
Evaluation of the expression: 0.875
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```
Enter an arithmetic expression: 13 + 24 * 35 / 46
Expression in Infix: (13 + ((24 * 35) / 46))
Expression in Prefix: + 13 / * 24 35 46
Expression in Postfix: 13 24 35 * 46 / +
Evaluation of the expression: 31.2609
```

```
Enter an arithmetic expression: ( 4 + 8 ) * ( 6 - 5 ) / ( 3 - 2 ) * ( 2 + 2 )
Expression in Infix: (((4 + 8) * (6 - 5)) / (3 - 2)) * (2 + 2)
Expression in Prefix: * / * + 4 8 - 6 5 - 3 2 + 2 2
Expression in Postfix: 4 8 + 6 5 - * 3 2 - / 2 2 + *
Evaluation of the expression: 48
```

```
Enter an arithmetic expression: 3 + 11 * 8
Expression in Infix: (3 + (11 * 8))
Expression in Prefix: + 3 * 11 8
Expression in Postfix: 3 11 8 * +
Evaluation of the expression: 91
```