

String Calculator

Simple UI:

Input String Format: **op[del1][del2]expression**

->Use Specified Input format. You can use any different delimiters. Default delimiter is ','.

->Default operator is '+' and for other operators you need to specify it in expression. Only '+', '-', '/', '*', '^' can be used in expression.

->In History section it just shows the last expressions and its result. (made using just simple js)

String Calculator

Format: op[del1][del2]expression

Default: Operator: '+', Delimiter: ','

you can use any number of Delimiters

e.g. *[#]1#3#4

Calculate

History

Test Cases:

1.Empty Input and only 1 number as input

-> In case of empty string return Zero and in the case of Single number return that number.

e.g. *[#]1#3#4

Calculate

0

24

Calculate

24

2.Default Operator '+' and delimiter ','

-> 1,2,3 = 1+2+3 =6

1,2,3

Calculate

6

3.Leading Operator overrides the default operator

-> *2,5 = 2*5=10

First * character overrides the default operator with '*'.

*2,5

Calculate

10

4.Single Custom Delimiter

-> [:]1;2;3 = 1+2+3 = 6

Used default operator +.

6

5. Multiple Custom Delimiters

->[:][%]1;2%3 = 1+2+3 = 6

Used default operator +.

6

6.Ignore Numbers > 1000

-> 2 , 1002,3 =2+3 =5

5

7.Inline Operator Switching within number tokens

-> 1,2,*,3,4 = (1+2)*3*4 = 36

36

8. Mixed operators with custom delimiter

-> *[@]2@5@+@6@/@4= ((2*5)+6)/4=4

4

9. Redundant Delimiters Ignored

-> 1,,,,3,,,,5=1+3+5=9

9

10. Division by Zero raises error

-> /10,0= 10/0 -> error

Division by zero

11. Invalid tokens (non-digit , non-operator)

Invalid token: a

12. No numbers at all raises error

[,],,/,**

Calculate

Expression must contain at least one number

13. Delimiter header without proper closing bracket raises error

[;1;2;3

Calculate

Invalid delimiter header

14. Complex Case: Multiple Delimiters , inline ops , >1000 ignored

-> [x][*]5x1001*-*2*3x+x**10 = ((5-2)-3)+10 = 10

1001 ignored and 'x**' are redundant delimiters so ignored

[x][*]5x1001*-*2*3x+x**10

Calculate

10