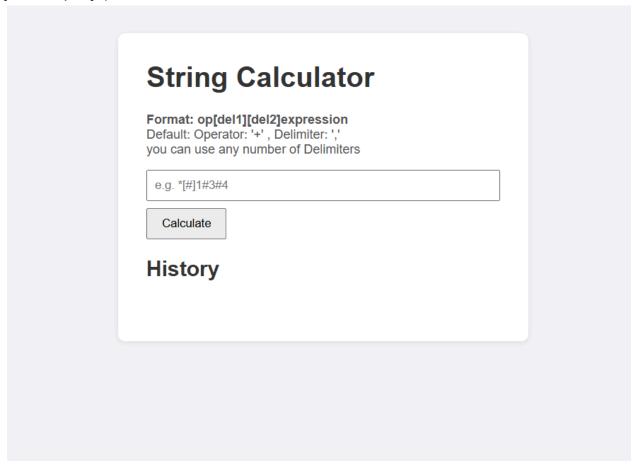
String Calculator

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)



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

Used default operator +.

[;]1;2;3

Calculate

6

5. Multiple Custom Delimiters

Used default operator +.

[;][%]1;2%3

Calculate

6

6.Ignore Numbers > 1000

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

2,1002,3

Calculate

5

7.Inline Operator Switching within number tokens

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

1,2,*,3,4

Calculate

8.Mixed operators with custom delimiter
-> *[@]2@5@+@6@/@4= ((2*5)+6)/4=4

*[@]2@5@+@6@/@4

Calculate

4

9. Redundant Delimiters Ignored

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

1,,,,3,,,,5

Calculate

9

10.Division by Zero raises error

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

/10,0

Calculate

Division by zero

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

1,a,2

Calculate

Invalid token: a





Expression must contain at least one number

13. Delimiter header without proper closing bracket raises error

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