Embedded Calculator for Input Field - Finance applications

Why ?

to help users enter final number in input field correctly and more confidently...

e.g. While filing Indian Income tax forms few input fields require us to a aggregated yearly value inside the input field.

Schedule-10(13A) House rent allowance(HRA)

1. Place of Work *   ⓘ
> Please select 'Metro' only in case of Mumbai, Kolkata, Delhi or Chennai. In case of all other cities, please select 'Non-Metro'.

Select ▾

2. Actual HRA received (A) *   ₹   0

3. Actual Rent paid *   ₹   0
consider this field where you need to enter the total rent paid, which for most folks is sum of rent paid of April to next year March.

4. Details of Salary as per section 17(1)   ⓘ   ₹   0

4a. Basic Salary *   ₹   0

4b. Dearness Allowance   ₹

5. Actual rent paid-10% of salary (B) (3-10% of 4)   ₹   0

6. 50% /40% of salary© *   ₹   0

7. Eligible Exempt Allowance u/s 10(13A)   ₹   0

How ?

A solution that doesn't lose the context of the current input field; is compatible with existing input boxes and form layout

Current experience

A user might either compute in mind, use pen and paper or any physical / digital calculator to get the final number

Constraint

existing input box might not change and might be associated with only selective input boxes

input box

Design A

this is one of the version that I thought out;
there can be different versions for the same wherein
depending on context there is a calculator add-on

Input Box Label

| 0 | 🧮 |

Calculator ×

⋮   12 × 23,499
         2,81,988

💾   **0**

⋮   12 × 20,000
         2,40,000

📤 Use this value

📋 Copy

🧹 Remove

1	2	3	/
4	5	6	*
7	8	9	-
.	0	**Del**	+
=			

🧹

empty state on the
calculation area

❌
No Calculations
Saved !

💾
saved calculations
will be visible here

Design B

Input Box Label

| 0 | 🧮 |

Calculate ×

B5 | =12*20000 | 🧹

	A	B	C	+
1				
2				
3				
4	January	2,81,988		
5	Feb	2,40,000		
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
+				

📤 Use this value

📋 Copy

📋 Paste here

🧹 Clear

Direction and Implementation

Selected the design A because of the following rationals:

It is not very easy for older aged folks and not so tech savvy folks to assume that they would immediately be comfortable using the Design B since it inclines more towards spreadsheets which they are not highly used to

For a single input field creating a mini spreadsheet is a bit overkill (from a technical pov) since there is always the option to open and do the calculation in a new sheet elsewhere.

Observe problem → **Invision Solutions** → **Build Solution** → **Test Solution** → **Publish for feedback Solution**

Before Coding - getting assets ready

before actual coding you need to keep all the assets at one place and decide on few stuff

asset/component	states
plugin icon button	default
	focus
	onHover
	disabled
	pressed

icons
calculator, close, 3dots, broom

colors
borders, text [primary, secondary, tertiary, disabled], error, background

numbers and decimal button

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | . | 0 |

operators button

| / | * | - | + |

equalsto button

| = |

delete button

| Del | Del |

icon button

display

0

single calculation item

12 × 23,499
2,81,988

dropdown

Use this value

Copy
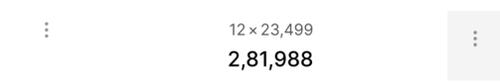
Remove

default   0
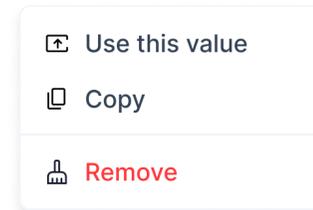
focus

onHover   0

disabled

pressed   0