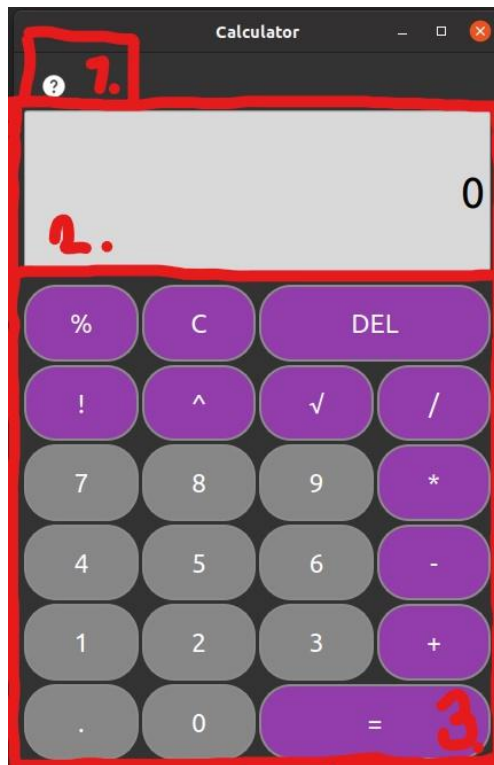


User Interface and user manual

Parts:

The calculator is divided into 3 essential parts.



1. Header

- In this section there is Help button which can be clicked for getting help with calculator.

2. Display

- Display is the place where can be seen entered values as well as result and error messages.

3. Functions section

- In the Functions section are located all the functional buttons

Buttons:

DEL

- Delete
- Deletes the last character inserted

C

- Clear
- Deletes all the content from display

=

- Returns result of the expression written in display

0-9

- Numbers
- Each button will insert digit into display

.

- Decimal point, inserts decimal point after number

%

- Modulo
- Binary operation, takes 2 numbers
- $X \% Y$
- Modulo with negative numbers looks as follows: $-X \% Y$ (This won't return error)
- Returns the remainder after division
- ERRORS: Y cannot be 0

!

- Factorial
- Unary operation, takes 1 number (e.g. $X!$)
- $X!$
- ERRORS: X cannot be decimal or negative

^

- Power
- Binary operation, takes 2 numbers. X is raised to the power of number 2
- X^Y
- Root with negative numbers looks as follows: $-X^Y = (-X)^Y$
- ERRORS: Exponent (Y) cannot be negative or decimal

√

- Root
- Binary operation, takes 2 numbers. X root of Y
- $X \sqrt{Y}$
- Root with negative numbers looks as follows: $-X \sqrt{Y} = (-X) \sqrt{Y}$
- ERRORS: X cannot be 0 and if Y is negative, X cannot be even

/

- Division
- Binary operation, takes 2 numbers
- X / Y
- Division with negative numbers looks as follows: $-X / Y$ (This won't return error)
- ERRORS: Y cannot be 0

*

- Multiplication
- Binary operation, takes 2 numbers
- Multiplication with negative numbers looks as follows: $-X * Y$ (This won't return error)
- $X * Y$

+, -

- Addition and Subtraction
- Binary operations, takes 2 numbers
- $X + Y$, $X - Y$