

User Manual

**Before using the MCBP Calculator
read through this user manual
to avoid complications and errors**

Requirements

OS: Ubuntu 64bit

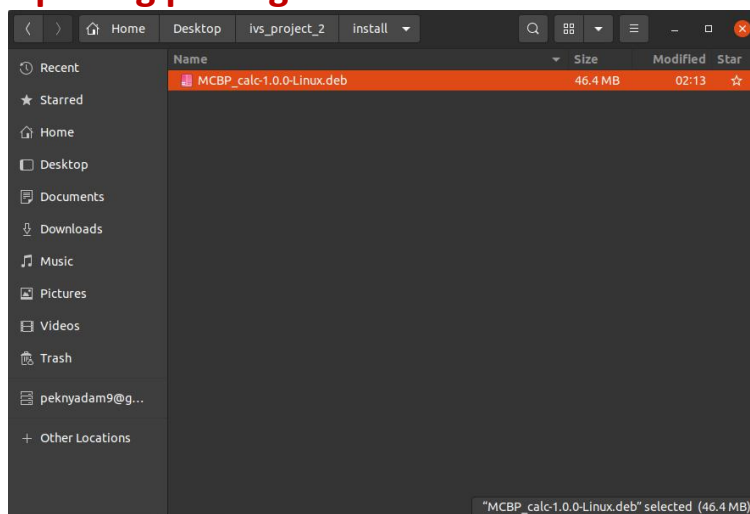
Free space on disk: 100 MB

Installation and Uninstallation

1. Downloading:

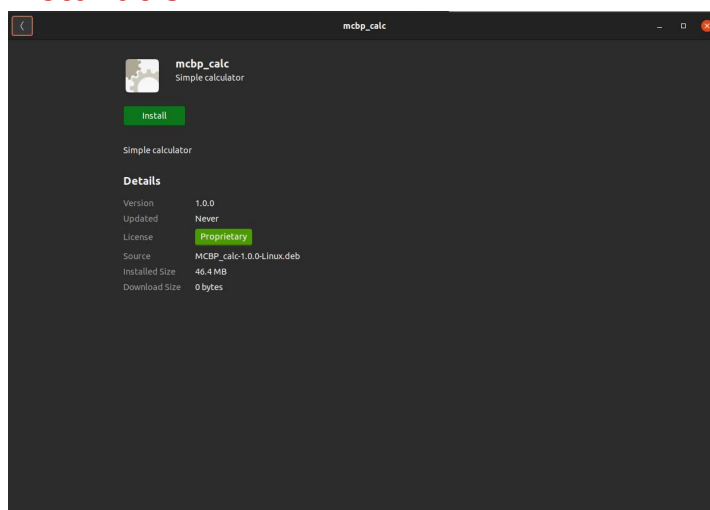
- After downloading .zip file, extract the MCBP_calc*.deb package from it

2. Opening package:



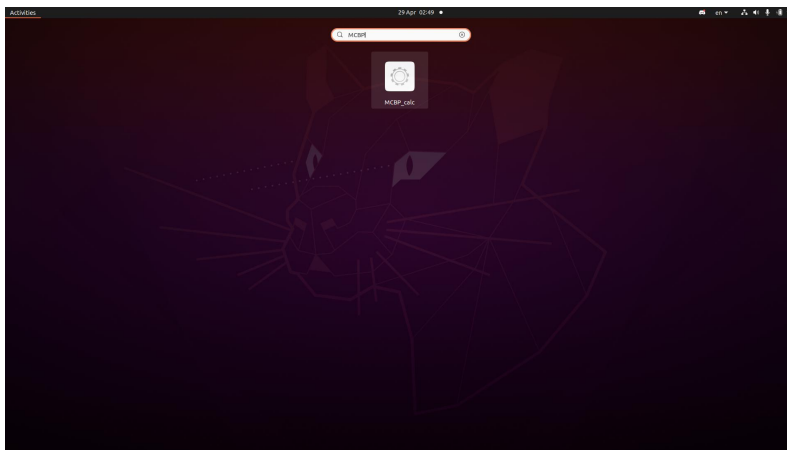
- Open the folder where you extracted the package and double click on it

3. Installation



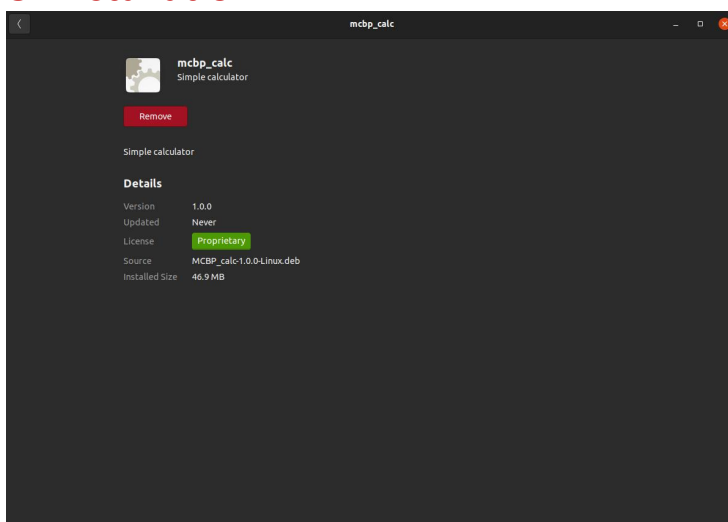
- After Ubuntu software opens, click the “Install” button

4. Run



- Open menu, and type MCPB. The calculator will show up, click it and enjoy

5. Uninstallation



- For uninstallation the calculator, find mcbp_calc in Ubuntu software manager and click the “Remove” button

Installation through terminal

Move to the directory with the .zip file and run following commands in terminal:

```
adam@adam-GL553VD:~/Downloads$ ls
adam@adam-GL553VD:~/Downloads$ unzip MCBP_calc.zip
adam@adam-GL553VD:~/Downloads$ cd MCBP_calc
adam@adam-GL553VD:~/Downloads/MCBP_calc$ cd install
adam@adam-GL553VD:~/Downloads/MCBP_calc/install$ sudo dpkg -i MCBP_calc-1.0.0-Linux.deb
```

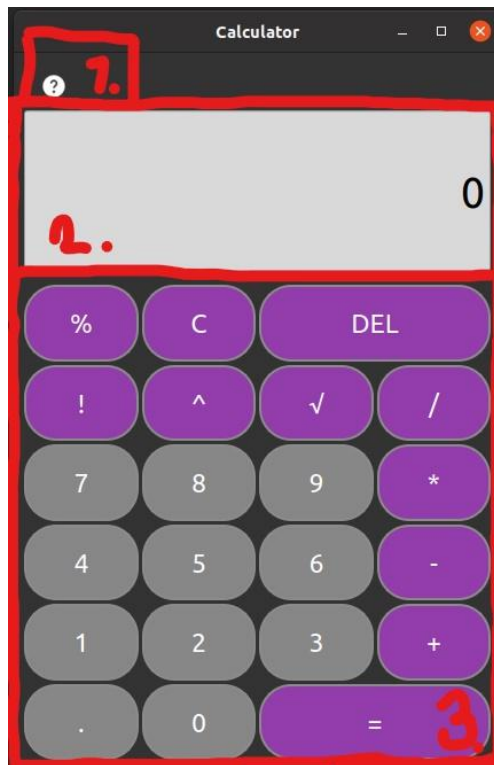
For the uninstallation of the calculator run the following command

```
adam@adam-GL553VD:~/Downloads/MCBP_calc/install$ sudo apt remove mcbp_calc
```

User Interface and usage 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
- $X+Y$, $X-Y$

The Authors: MCBP.php Team

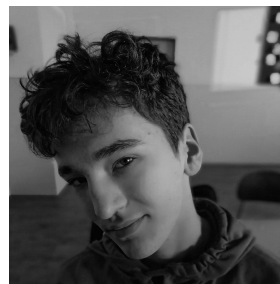
Adam Pekný

Position: Team leader, Software Engineer



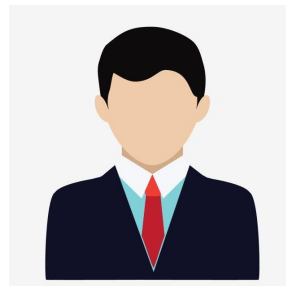
Jakub Kontrík

Position: Front End Engineer



Michal Ľaš

Position: Back End Engineer



Samuel Slávik:

Position: Tester and QA Engineer

