

User manual

Hobbit Gang Calculator

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1 Introduction

The Hobbit Gang calculator is designed to calculate simple mathematical operations (addition, subtraction, multiplication, division) and other mathematical operations (exponentiation, arbitrary root, factorial, logarithm). The calculator can calculate real numbers.

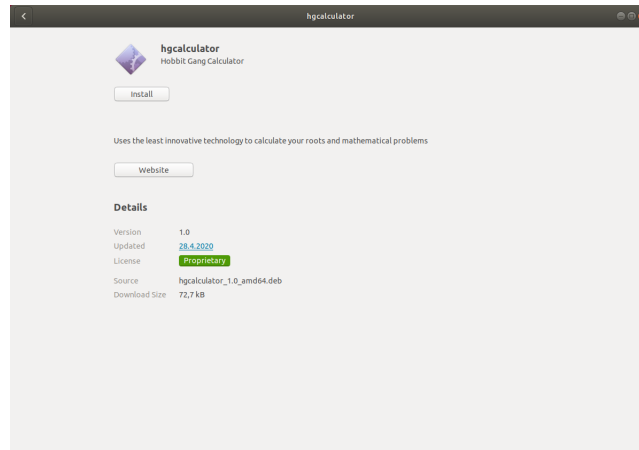
ATTENTION!

- Read manual carefully!
- Use the calculator **only** as described in this manual. *Other use may result in malfunction.*
- Do not interfere with the source code of the program. *Intervention in the source code may lead to program malfunction.*

2 How to install and uninstall the program

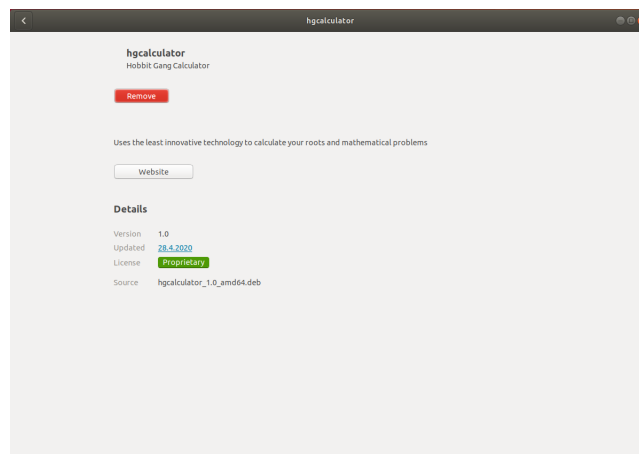
2.1 Installation

1. Download file "hgcalculator_1.0_amd64.deb" to any folder.
2. Unpack file to any folder you want.
3. Click on it and select "Install".



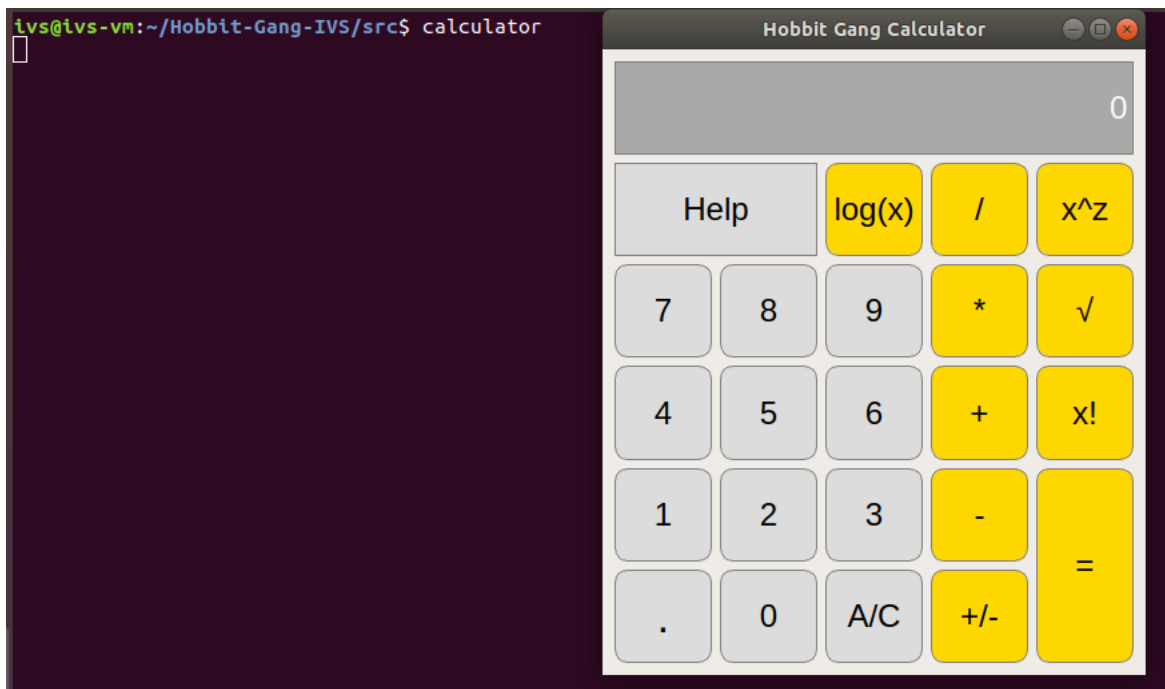
2.2 Uninstallation

Simply click on "Remove" and your application will disappear from your pc.



2.3 Start application

Application is easily accessible from your terminal. Write "**calculator**" and app will pop up.



3 How to work with calculator

Working with our calculator is pretty simple. In sections below you can learn:

- Calculator appearance
- Meaning of symbols
- Work with expressions

3.1 Button appearance and description

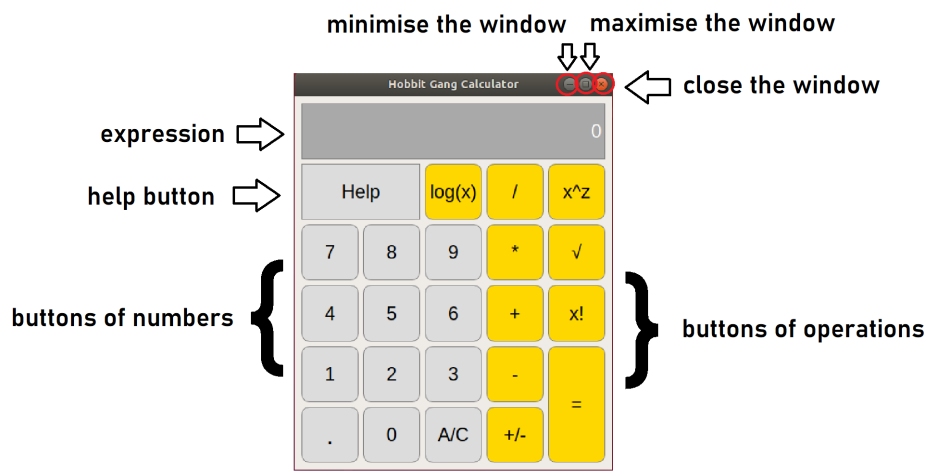


Figure 1: Description of basic functions

3.2 Functionality



Figure 2: Appearance of calculator

0-9: The number keys 0 to 9, after which the number is displayed in the first part of the calculator display.

.: Symbolizes a decimal point.

AC: Clears the **entire** entered expression.

Help: Shows this manual.

=: Confirm the entered expression so that it can be calculated by the calculator.

+: Symbolize a **sum** ($a + b = c$)

⇒ After entering 1.(a) and 2.(b) number from buttons of number, calculator prints the result(c) of the addition operation.

-: Symbolize a **subtraction** ($a - b = c$)

⇒ After entering 1.(a) and 2.(b) number from buttons of number, calculator prints the result(c) of the subtraction operation.

/: Symbolize a **division** ($a/b = c$)

⇒ After entering 1.(a) and 2.(b) number from buttons of number, calculator prints the result(c) of the division operation.

*****: Symbolize a **multiplication** ($a * b = c$)

⇒ After entering 1.(a) and 2.(b) number from buttons of number, calculator prints the result(c) of the multiplication operation.

x!: Symbolize a **factorial** of a number 'x' ($x! = b$)

⇒ After entering number(x) from buttons of number, calculator prints the result(b) of the factorial operation.

$x \wedge z$: Symbolize a **raising a number 'x' to power 'z'** ($x^z = c$)

⇒ After entering 1.number(x), which will be raising to power of 2. entered number(z) from buttons of number, calculator prints the result(c) of the multiplication operation.

$\sqrt{}$: Symbolize a **root extraction** ($\sqrt[x]{a} = b$)

⇒ After entering number(x) from buttons of number, which symbolize the root, and then number(a) from buttons of number, calculator prints the result(b) of the root extraction operation.

+/-: Symbolize an **absolute value** of a negative number or **negative value** of positive number ($a = -a$) **or** ($-a = a$)

⇒ After entering a number(a), calculator prints the result(-a). **OR**

⇒ After entering a number(-a), calculator prints the result(a).

log(x): Symbolize a **logarithm** of given number ($\log(x) = y$)

⇒ After entering number(x) from buttons of number, calculator prints the result(y) of the root extraction operation.

4 Conclusion

Thanks for choosing our product!