Supreme Calc user manual

System requirements

- Ubuntu 20.04 64bit or newer
- At least 50MB of free disk space
- Following modules are needed for installation:

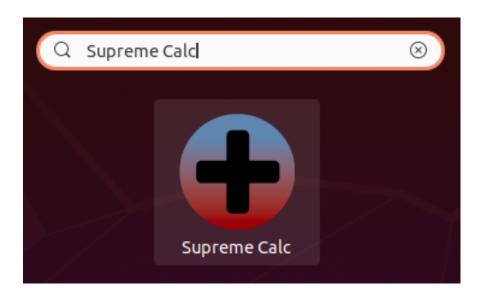
```
Python 3.8 or higher - sudo apt install Python3
pip - sudo apt install python3-pip
kivy - Python3 -m pip install kivy
xclip - sudo apt install xclip
pytest - sudo apt install python3-pytest
```

Intallation

- Before installing, please read the whole installation process first
- To install the application, enter the terminal and go to folder, where you want to download the GitHub repository (further refered to as a *repository folder*)
- In the repository folder, type in git clone https://github.com/jkalend/IVS-calc.git to download the repository
- Before installing you will need root privileges, then type in following commands one by one:

The application is now installed.
 (note that the application itself is installed to ~/.local/share/applications).
 To launch, search for Supreme Calc in your applications menu and click the icon.

• The icon should look like this:



Uninstallation

- To uninstall the application, enter the terminal and go to the repository folder, where you downloaded the GitHub repository and/or where you unzipped the .zip file.
- Now type in following commands one by one:
 - cd install
 - ./uninstall this will uninstall the application
- The application is now uninstalled. You can delete all downloaded and created files from the repository folder by using the following command:
 - rm -rf xkalen07_xkubin27_xstrei06_xmash100.zip (IVS-calc)

Usage

General use:

- AC clears the entire display
- DEL deletes selected or previous character (you can select multiple characters by holding shift and using arrows)
- HELP opens user manual
- Calculator always returns result as floating point number
- In case of invalid input or mathematical error displays an error message
- Calculator takes input from keyboard or by clicking on buttons
- Calculator window can be resized by pulling the edges or fullscreened by clicking the square in upper right corner

Basic arithmetical operations:

- + addition
- - subtraction
- * multiplication
- / division

Advanced mathematical operations:

- % modulo residue after division
 - Example: 13%7 = 6
 - Example: -4%6 = -4
- ! factorial
 - Example: 4! = 4*3*2*1 = 24
- ^ exponentiation
 - Example: $5^3 = 125$
 - Example: $2^-1 = 0.5$
- √ root
 - Example: $4\sqrt{16} = 2$
 - Example: $\sqrt{36} = 6$

Special characters:

- . floating point
- \bullet = equals displays result of an operation
- () opening and closing brackets brackets can change precedence of operations, include/exclude sign from operations or "pack" together multiple operations as an argument to another operation
 - Example: $-4^2 = -16$
 - Example: $(-4)^2 = 16$
 - Example: (4+2*3)/2 = 5

Calculator interface

