

User guide for calculator:

1. Basic information:

The application was created as a second project for Practical Aspects of Software Design course. The application is primary for unix-like systems.

2. Description:

It is an application for usual needs. It provides basic functions like add, subtract, multiple, divide and also a few advanced functions. e.g. exponential functions, factorial. It supports computing with brackets.

3. How to install, uninstall and run:

a. Manual:

i. Extract downloaded archive:

```
unzip xbucht20_xsichk00_xsvast00_xznebe00.zip
```

ii. Redirect to folder calc-ivs:

```
cd xbucht20_xsichk00_xsvast00_xznebe00/calc-ivs
```

iii. Compile program:

```
ant compile
```

iv. Run program:

```
ant run
```

b. Automatic installation:

i. Extract downloaded archive:

```
unzip xbucht20_xsichk00_xsvast00_xznebe00.zip
```

ii. Redirect to folder calc-ivs:

```
cd xbucht20_xsichk00_xsvast00_xznebe00/calc-ivs
```

iii. Run installer (3 ways):

```
1. make install
```

```
2. sudo dpkg -i calc-ivs_1.0-1.deb
```

```
3. Double click on icon calc_1.0-1.deb
```

c. Uninstall:

i. Redirect to folder calc-ivs:

```
cd xbucht20_xsichk00_xsvast00_xznebe00/calc-ivs
```

ii. Run uninstaller (2 ways):

1. `make uninstall`

2. `sudo dpkg -r calc-ivs`

d. Run program:

i. From terminal:

```
CalcIVS
```

ii. From desktop menu:

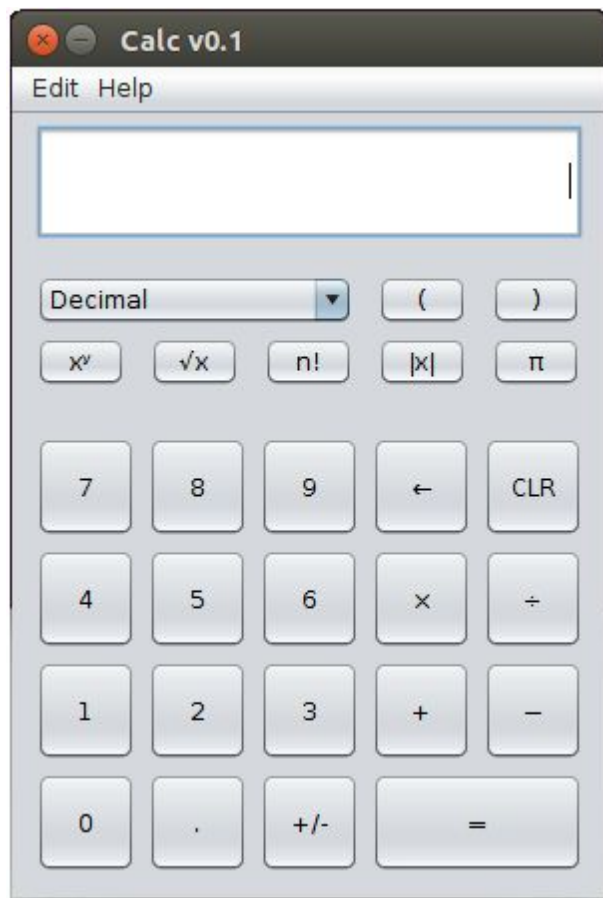
Double-click on icon `CalcIVS`

4. Functions and features:

Calculator is able to compute basic operations: adding, subtracting, multiplying, dividing and advanced operations: exponential function, extracting, factorial, absolute value of a number. Calculator is able to compute in multiple numeral systems. Supported systems are decimal, binary, octal and hexadecimal. There is also an option to compute with constant π . Calculator supports computing with brackets.

5. How to use:

You can enter your tasks through clicking on calculator buttons, or you can insert it using your keyboard. The result will show up on the display after hitting enter or clicking “=” button. If you enter illegal data, such as malformed formula or invalid numbers, calculator shows error table. If you want to compute in other numeral system, you have to turn roll option . When numeral system is changed, the calculator transforms and disables buttons that are not available in the chosen system.



6. Bugs:

We haven't found any bugs in the application.

7. Authors:

Znebejánek Tomáš, xznebe00@stud.fit.vutbr.cz

Švasta Michael, xsvast00@stud.fit.vutbr.cz

Martin Buchta, xbucht20@stud.fit.vutbr.cz

Roman Sichkaruk, xsichk00@stud.fit.vutbr.cz

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