

# 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 need, it has 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 extracted folder

```
cd xbucht20_xsichk00_xsvast00_xznebe00
```

#### 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 extracted folder:

```
cd xbucht20_xsichk00_xsvast00_xznebe00
```

#### iii. Run installer (3 ways):

```
1. make install
```

```
2. sudo dpkg -i calc_1.0-1.deb
```

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

c. Uninstall:

i. Redirect to folder:

```
cd xbucht20_xsichk00_xsvast00_xznebe00
```

ii. Run uninstaller (2 ways):

1. `make uninstall`

2. `sudo dpkg -r calcivs`

d. Run program:

i. Redirect to folder:

```
cd xbucht20_xsichk00_xsvast00_xznebe00
```

ii. Run (2 ways):

1. From terminal

```
./CalcIVS
```

2. From desktop menu

Double-click on icon `CalcIVS`

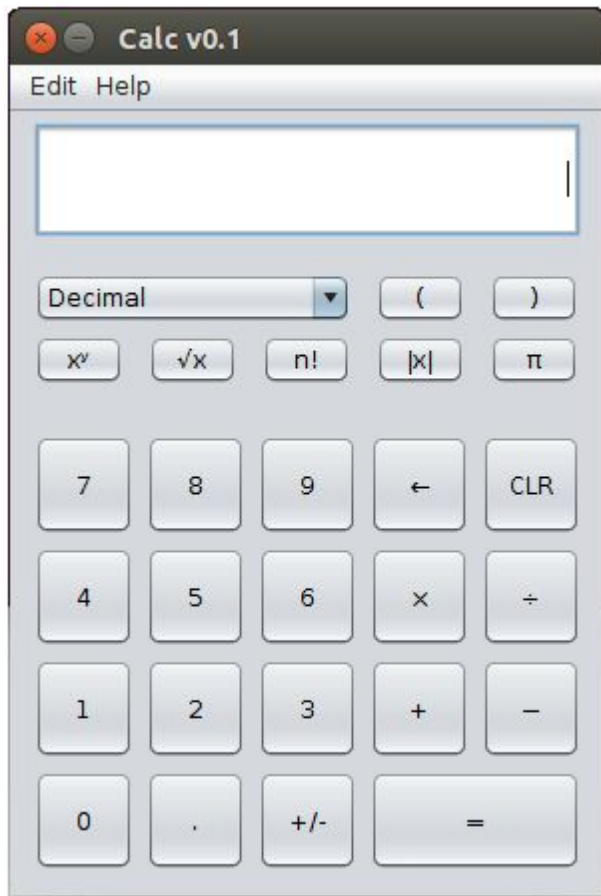
#### 4. Functions and features:

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 more numeral systems. Supported systems are decimal, binary, octal and hexadecimal. There is also an option to compute with constant  $\pi$ . 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 on the display after hitting enter or clicking “=” button. If you enter wrong data which has no result, calculator shows error table. If you want to compute in other numeral system, you have to turn roll option . Then calculator transforms and disables buttons which are not in choosen numeral system.



## 6. Bugs:

We haven't found any bugs in the application.

## 7. Authors:

Znebejánek Tomáš, [xznebe00@stud.fit.vutbr.cz](mailto:xznebe00@stud.fit.vutbr.cz)

Švasta Michael, [xsvast00@stud.fit.vutbr.cz](mailto:xsvast00@stud.fit.vutbr.cz)

Martin Buchta, [xbucht20@stud.fit.vutbr.cz](mailto:xbucht20@stud.fit.vutbr.cz)

Roman Sichkaruk, [xsichk00@stud.fit.vutbr.cz](mailto:xsichk00@stud.fit.vutbr.cz)

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