

# 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:

### a. Manual:

#### i. Extract downloaded archive:

```
unzip ivs-calc.zip
```

#### ii. Redirect to extracted folder

```
cd ivs-calc
```

#### iii. Redirect to folder for compile and run

```
cd CalcForANT
```

#### iv. Compile program

```
ant compile
```

#### v. Run program

```
ant run
```

### b. Automatic:

#### i. Extract downloaded archive:

```
unzip ivs-calc.zip
```

#### ii. Redirect to extracted folder:

```
cd ivs-calc
```

#### iii. Make installator executable:

```
chmod +x IVS Calculator-1.0-Linux-x86_64-Install
```

#### iv. Run the installator:

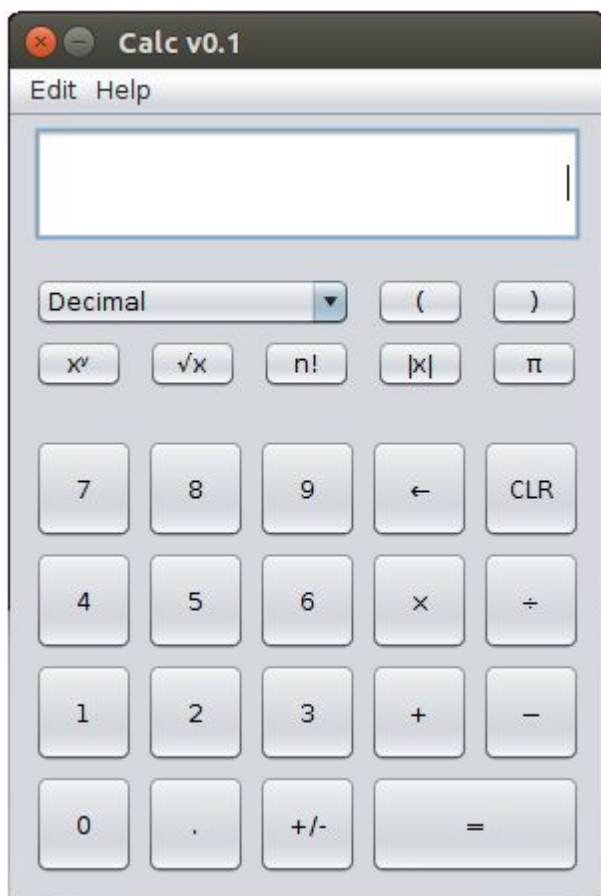
```
./IVS Calculator-1.0-Linux-x86_64-Install
```

#### 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. Your 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:

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