User guide for calculator:

1. Basic information:

The application was invented for a second project to subject Practical Aspects of Software Design. The application is primary for unix-like systems.

2. Description:

It is an application for usual need, it has basic functions like add, substract, multiple, divide and also a few advanced functions. e.g. squaring, factorial. It has support of 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
```
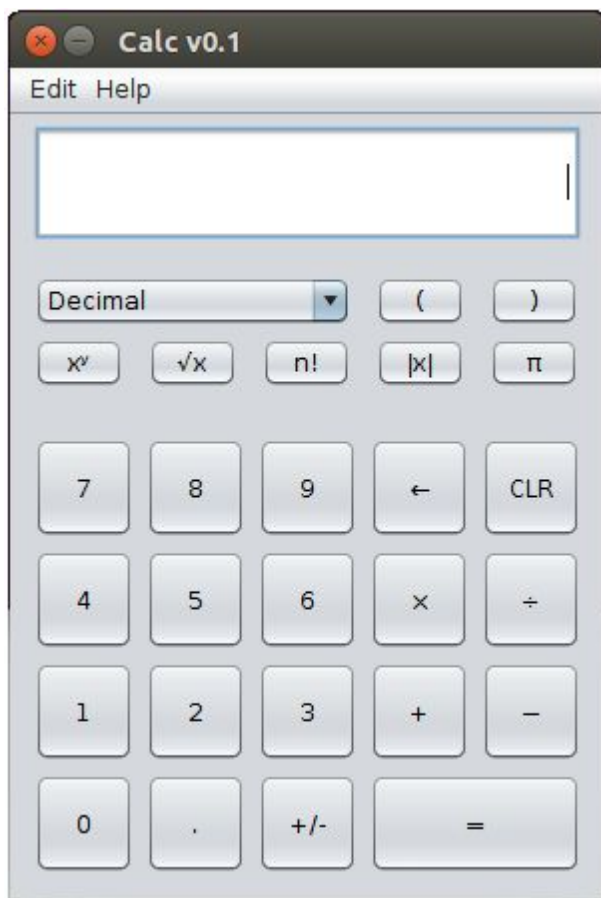
iv. Run the installator:

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

4. Functions and features:

Calculator is able to compute basic operations: adding, substracting, multiplying, dividing and advanced operations: exponential function, extracting, factorial, absolute value of number. Calculator is able to compute in more number systems. Exactly in decimal, binary, octal and hexadecimal systems. There is also option to compute with constant π. Calculator has support of computing with brackets.

5. How to use:

You can enter your tasks through clicking on calculator buttons, or you can enter it through 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 will show error table. If you want to compute in other number systems, you have to turn roll option . Then calculator transforms and disable buttons which are not in choosen number 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

8. Copyright: