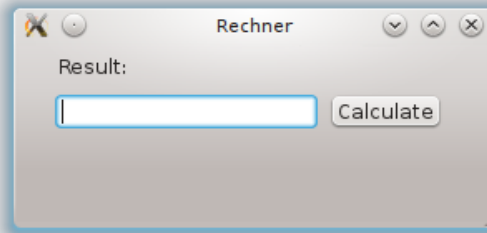# Documentation

This program was developed for the Mono Framework and is ported to Windows Forms. You can choose between many types of mathematical terms that could entered. Behind the GUI works a class that is the same in the CLI-Version.

Accepted types of mathematical terms are:

| | |
|---|---|
| 5=5 | Equation Check |
| 1+2 | Addition |
| 3-2 | Substraction |
| 4*3 | Multiplication |
| 5/4 | Division |
| 6^3 | Power |
| sqrt(7) | Square Root |
| sqrt[n](7) | The n-th root |
| lg(8) | 10-logarithm |
| ln(9) | natural logarithm |
| log_n(10) | logarithm to base n |
| x^2 | Parabola |
| -x^2 | Negative Parabola |
| -(x-2)^2+3 | Shifted Parabola |

The CLI-Version accepts the following syntax:

```
# mono Taschenrechner1_CLI.exe Term
```

or

```
# mono Taschenrecher1_CLI.exe
Enter your term:
Term
```