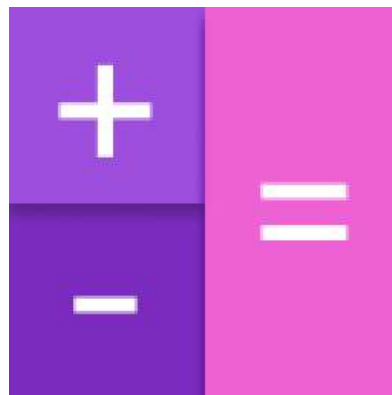
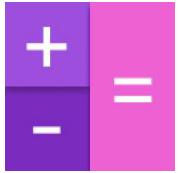


# TOMOJAVO\_CALC





# TOMOJAVA\_CALC

## - Platforma:

Linux

## - Použitý programovací jazyk:

Python3

- tkinter

## - Návrh rozhraní:

Figma

## - Dokumentace:

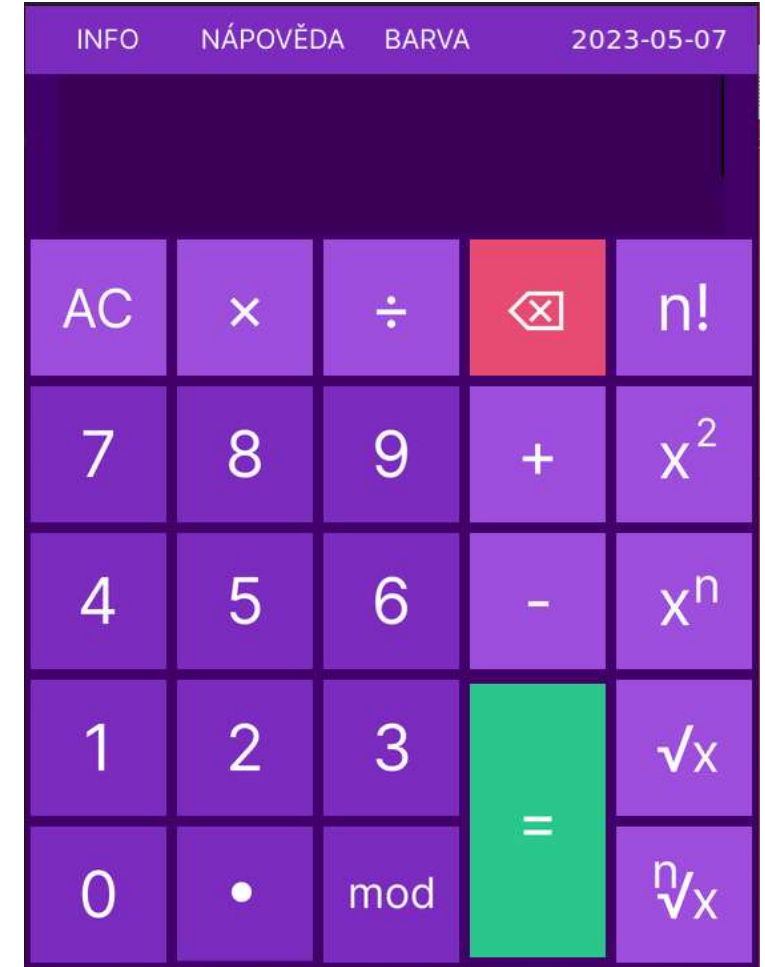
Doxygen

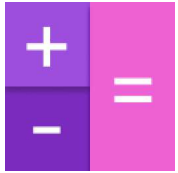
## - Komunikace:

Messenger

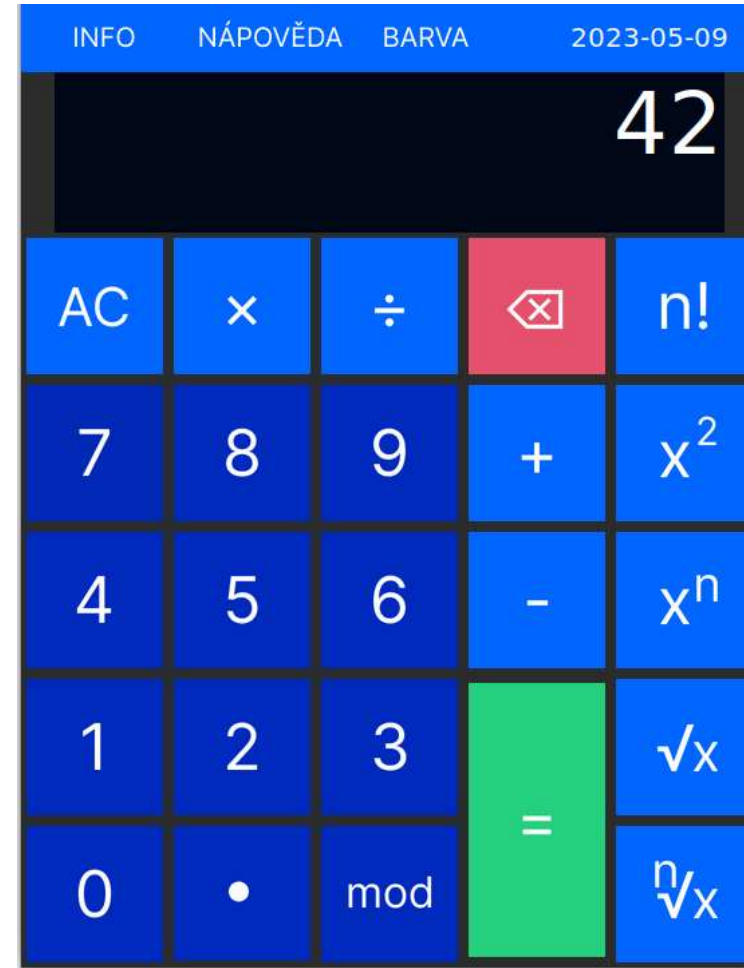
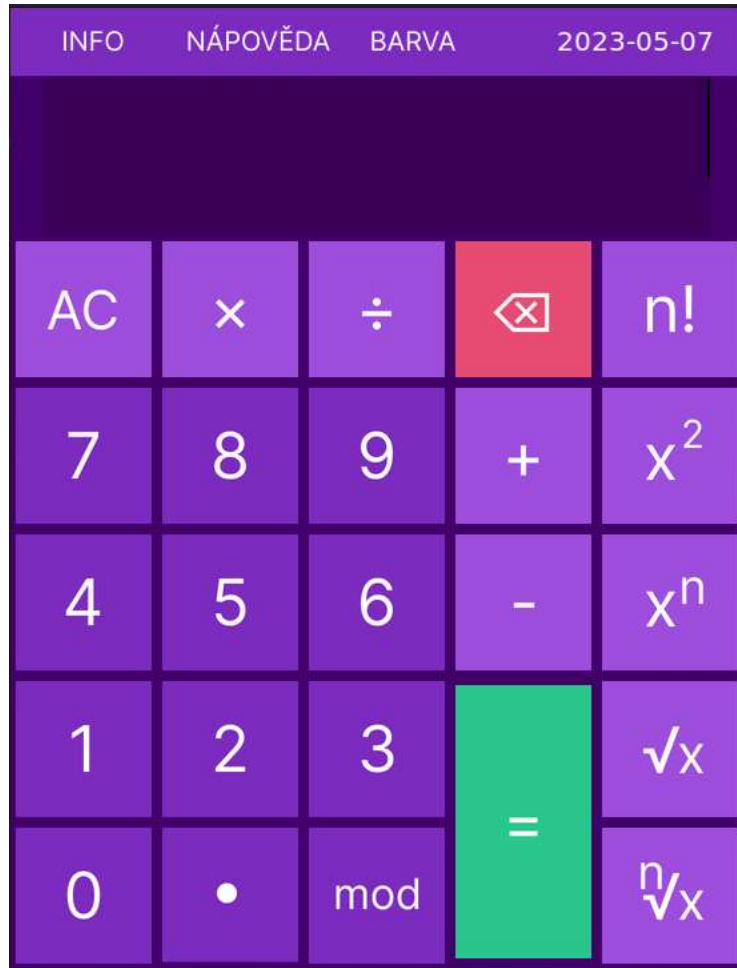
Padlet

## IMPLEMENTACE

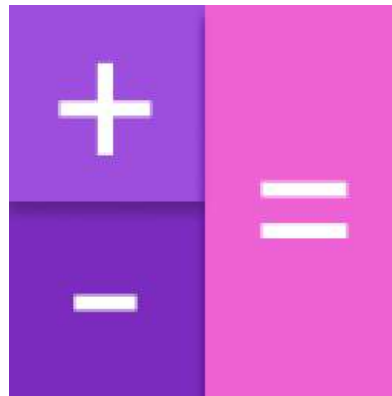


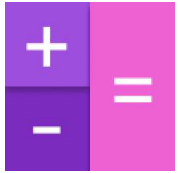


# TOMOJAVO\_CALC



# PROBLÉMY PŘI IMPLEMENTACI



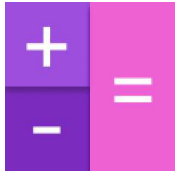


# TOMOJAVA\_CALC

PRÁCE POUZE NA JEDNÉ VÝVOJOVÉ VĚTVI

- kolize změn
- zhoršená spolupráce
- zpomalení vývoje





# TOMOJAVA\_CALC

NEZNALOST PROPOJENÝCH ZDROJOVÝCH SOUBORŮ

- soubor byl jako kdyby vytvořen pro samostatné použití
- nešlo ho rychle hned propojit
- parametr: self

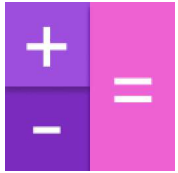
The screenshot shows a terminal window with a dark background. The title bar of the terminal window reads "calculatorVER2.py". The terminal output shows a series of commands and their results:

```
doly02@dolyak: ~/Desktop/lvs/PROJECT_TWO/tomojavo/rep...
frame = Calculator(container, self, color_bg, color_toppanel)
TypeError: Calculator.__init__() takes 2 positional arguments but 5 were given
doly02@dolyak:~/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src$ python3 calculatorVER
2.py
doly02@dolyak:~/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src$ python3 calculatorVER
2.py
doly02@dolyak:~/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src$ python3 calculatorVER
2.py
doly02@dolyak:~/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src$ python3 calculatorVER
2.py
```

Below the terminal output, a traceback is shown:

```
Exception in Tkinter callback
Traceback (most recent call last):
  File "/usr/lib/python3.10/tkinter/_init_.py", line 1921, in __call__
    return self.func(*args)
  File "/home/doly02/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src/calculatorVER2.py", line 237, in <lambda>
    button_eq = Button(self, image=self.button_image_eq, **button_style, command
= lambda: butcntr.button_equal(self.entry))
  File "/home/doly02/Desktop/lvs/PROJECT_TWO/tomojavo/repo/src/link_lib_w_gui.py", line 223, in button_equal
    entry.insert(0, mathlib.sum(float(f_num),float(second_number)))
TypeError: IMath_h.sum() takes 2 positional arguments but 3 were given
```

On the right side of the terminal window, a portion of a calculator GUI is visible. It has a purple theme with buttons labeled "ABOUT", "AC", "7", and "4".



# TOMOJAVA\_CALC

- chybný výstup Profilingu
- kód je ve skutečnosti správný
- chybná úprava na schůzce týmu

```
# cProfile Run 1
# number of numerical data: 10

55 function calls in 0.000 seconds

Ordered by: standard name

ncalls  tottime  percall  ctime  percall  filename:lineno(function)
1      0.000    0.000    0.000    0.000  <string>:1(<module>)
10     0.000    0.000    0.000    0.000  Math.py:19(sum)
2      0.000    0.000    0.000    0.000  Math.py:22(sub)
1      0.000    0.000    0.000    0.000  Math.py:25(div)
2      0.000    0.000    0.000    0.000  Math.py:30(mult)
11     0.000    0.000    0.000    0.000  Math.py:47(pow)
1      0.000    0.000    0.000    0.000  Math.py:60(sqrt)
1      0.000    0.000    0.000    0.000  profiling.py:27(calculate_standard_deviation)
1      0.000    0.000    0.000    0.000  {built-in method builtins.exec}
12     0.000    0.000    0.000    0.000  {built-in method builtins.isinstance}
12     0.000    0.000    0.000    0.000  {built-in method builtins.round}
1      0.000    0.000    0.000    0.000  {method 'disable' of '_lsprof.Profiler' objects}

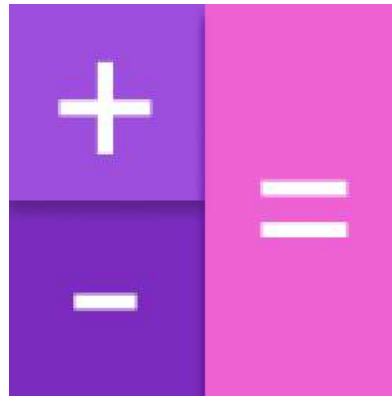
# cProfile Run 2
# number of numerical data: 1000

4015 function calls in 0.002 seconds

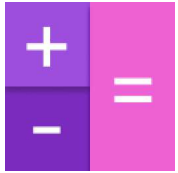
Ordered by: standard name

ncalls  tottime  percall  ctime  percall  filename:lineno(function)
1      0.000    0.000    0.002    0.002  <string>:1(<module>)
1000    0.000    0.000    0.000    0.000  Math.py:19(sum)
2      0.000    0.000    0.000    0.000  Math.py:22(sub)
1      0.000    0.000    0.000    0.000  Math.py:25(div)
2      0.000    0.000    0.000    0.000  Math.py:30(mult)
1001    0.000    0.000    0.001    0.000  Math.py:47(pow)
1      0.000    0.000    0.000    0.000  Math.py:60(sqrt)
1      0.000    0.000    0.002    0.002  profiling.py:27(calculate_standard_deviation)
1      0.000    0.000    0.002    0.002  {built-in method builtins.exec}
1002    0.000    0.000    0.000    0.000  {built-in method builtins.isinstance}
1002    0.000    0.000    0.000    0.000  {built-in method builtins.round}
1      0.000    0.000    0.000    0.000  {method 'disable' of '_lsprof.Profiler' objects}
```

# CO JSME SE NAUČILI?



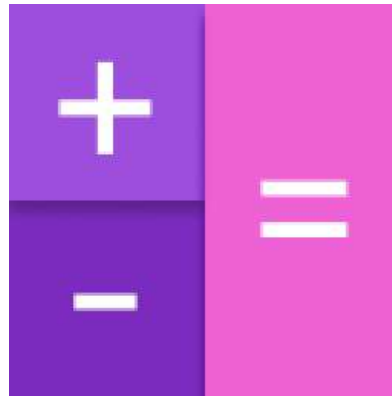


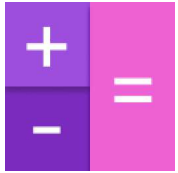


# TOMOJAVA\_CALC

- seznámení s novým programovacím jazykem
- základy Gitu + poučení z chyb jedné větve
- tvorba GUI
- návrh GUI
- práce v týmu
- integrace jednotlivých součástí
- psaní dokumentace v Doxygenu

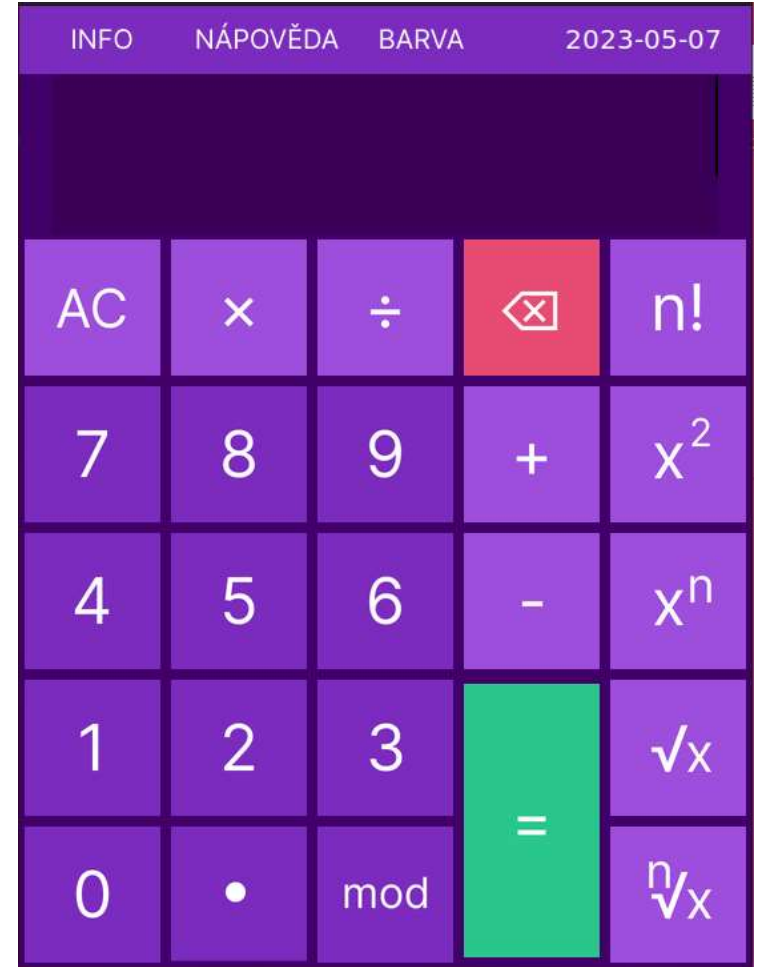
# CO BYCHOM DOPORUČILI OSTATNÍM



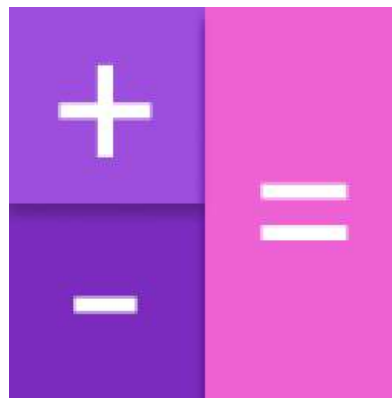


# TOMOJAVO\_CALC

- časová rezerva
- společné schůzky
- vzájemná pomoc
- vzájemná kontrola



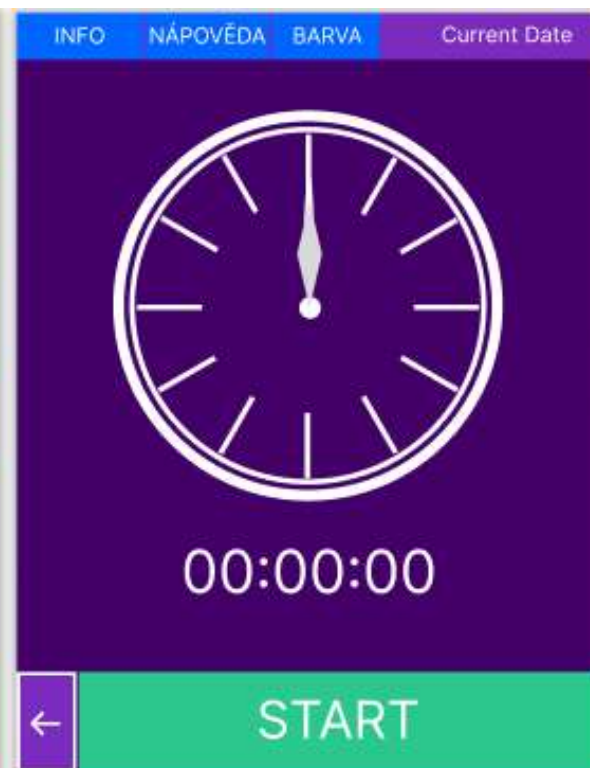
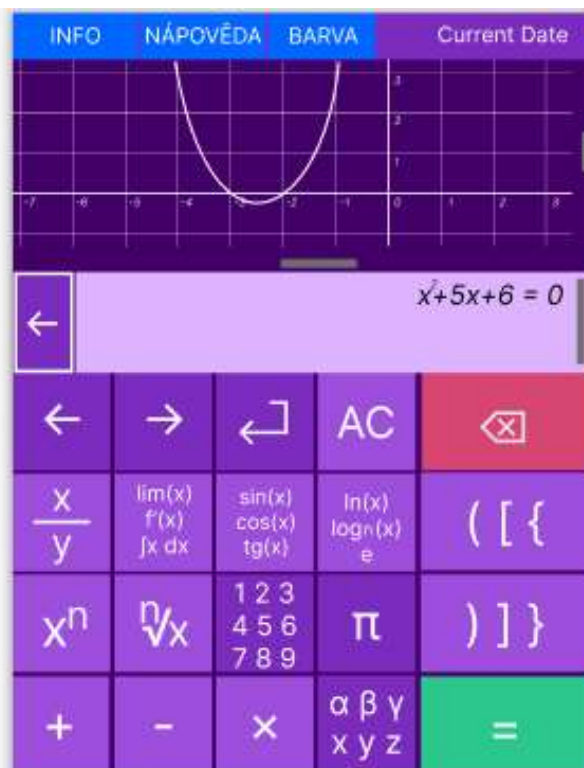
# NA CO SE MŮŽETE TEŠIT

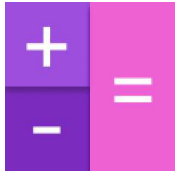




# TOMOJAVO\_CALC

NOVÁ VERZE Č.1





# TOMOJAVA\_CALC

NOVÁ VERZE Č.2

Dark mode - basic



Dark mode - INFO



Dark mode - science



Light mode - basic



Light mode - Info



Light mode - science



# DĚKUJEME ZA POZORNOST!

