

Kalkulačka tímu Pingpongisti

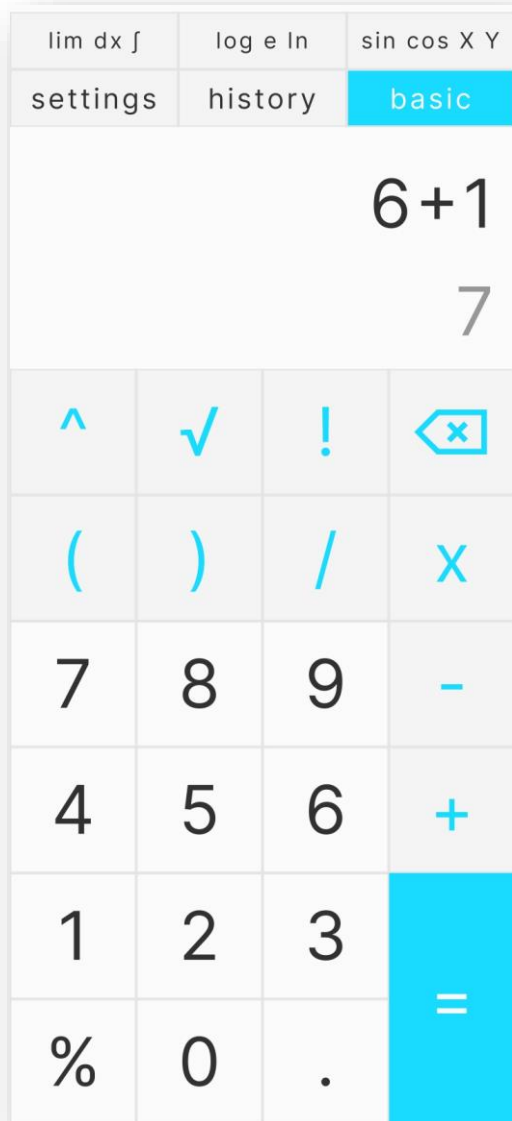
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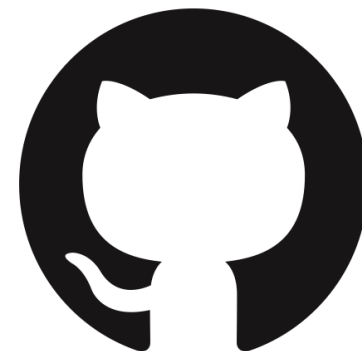




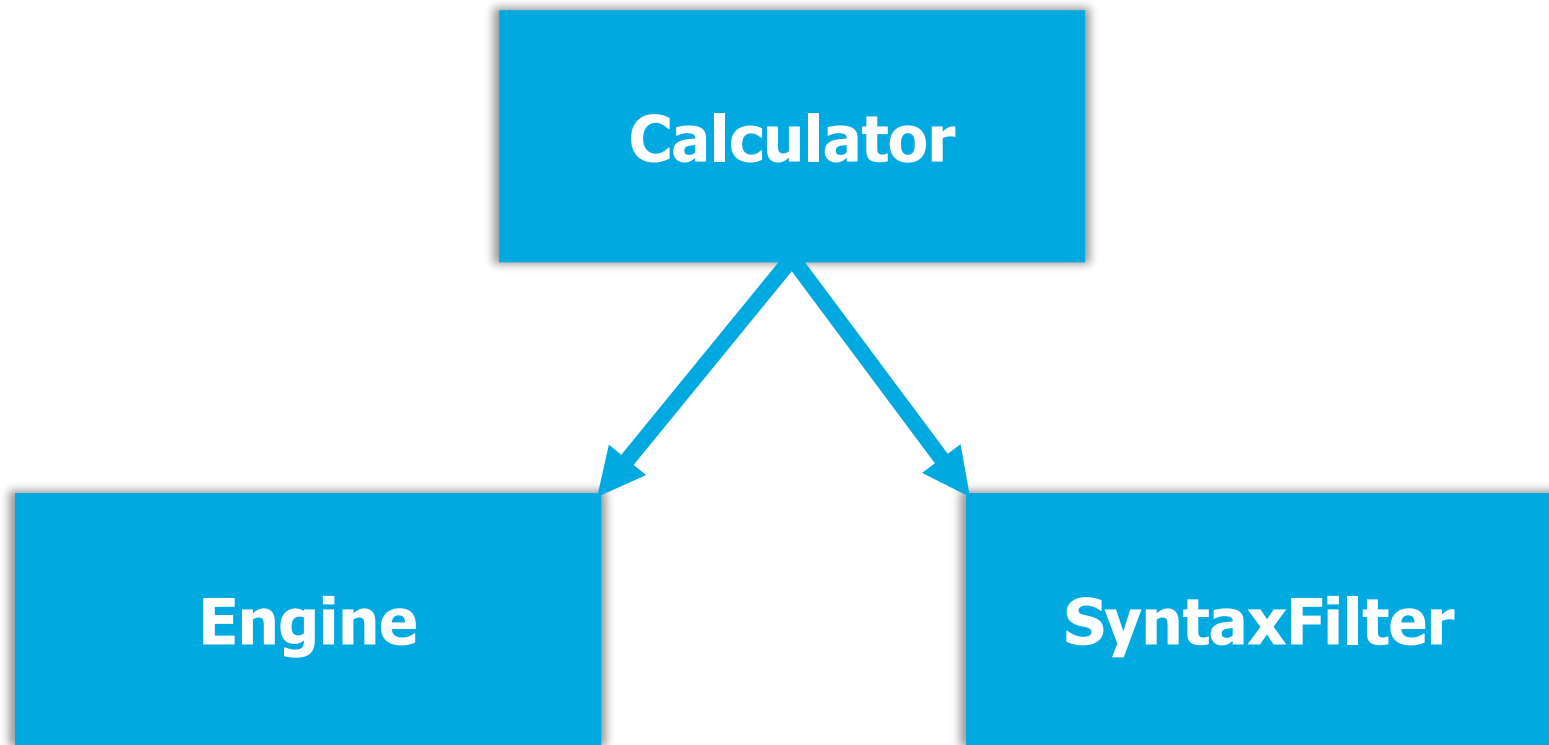
- Linux
- Základné operácie
- Pokročilé operácie
- GUI / klávesnica
- Priebežný výpočet

- Python
- Tkinter
- Pytest
- Sphinx

- Github
- Discord
- Meta Messenger



- 3 objekty



1. Použitie regexu

Vstup: $((4/2-1)+3!*2)+12$



2. Nájdenie najhlbšej zátvorky

$[(, (, 4, /, 2, -, 1,), +, 3, !, *, 2,), +, 12]$



3. Spočítanie funkcií

$[(, (, 4, /, 2, -, 1,), +, 3, !, *, 2,), +, 12]$



4. Spočítanie: $[(, 3, -, 2,)]$



ľavá: $[0, 1]$ pravá: $[5, 11]$

1. Prepis konštant

Vstup: $[(, 4, /, 2, -, 1)]$



2. Výpočet záporného znamienka

$[(, 4, /, 2, +, -1,)]$



3. Výpočet operácií

$[(, 1,)]$

```
def _compute(self, op: str, ret: list):
    """
    Compute the result of the given operation in the input list.

    :param op: the operation to be computed
    :type op: str
    :param ret: the input list
    :type ret: list
    :return: the result of the computation
    :rtype: list
    """
    assert op in self.ops.keys()
    if len(ret) == 1:
        return ret # single number -> final result
    for idx, i in enumerate(ret[1:-1]):
        if i == op:
            if not self.isnumber(ret[idx]) or not self.isnumber(ret[idx + 2]):
                ret.pop(idx + 1)
                return self._compute(op, ret)
            n = self.ops[i](float(ret[idx]), float(ret[idx + 2]))
            ret[idx : idx + 3] = [float(n)]
            return self._compute(op, ret)
    return ret
```

Prvá iterácia:

[(, 4, /, 2, +, -1)]

[4, /, 2, +, -1]

[2, +, -1]

[(, 2, +, -1,)]

[1]

Vstup: $((4/2-1)+3!*2)+12$

$[(, (, 4, /, 2, -, 1,), +, 3, !, *, 2,), +, 12]$



$[(, 1, +, 3, !, *, 2,), +, 12]$



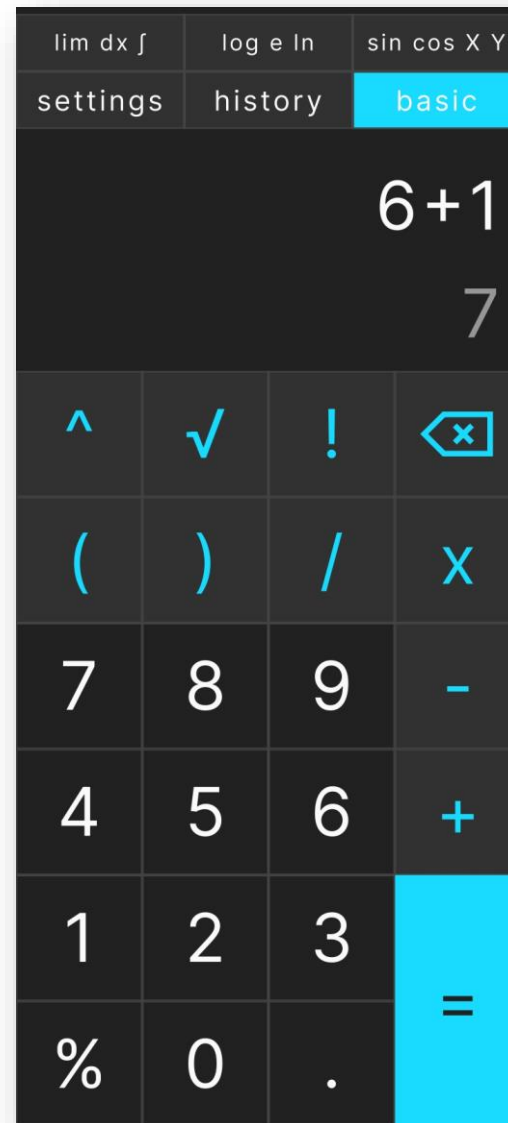
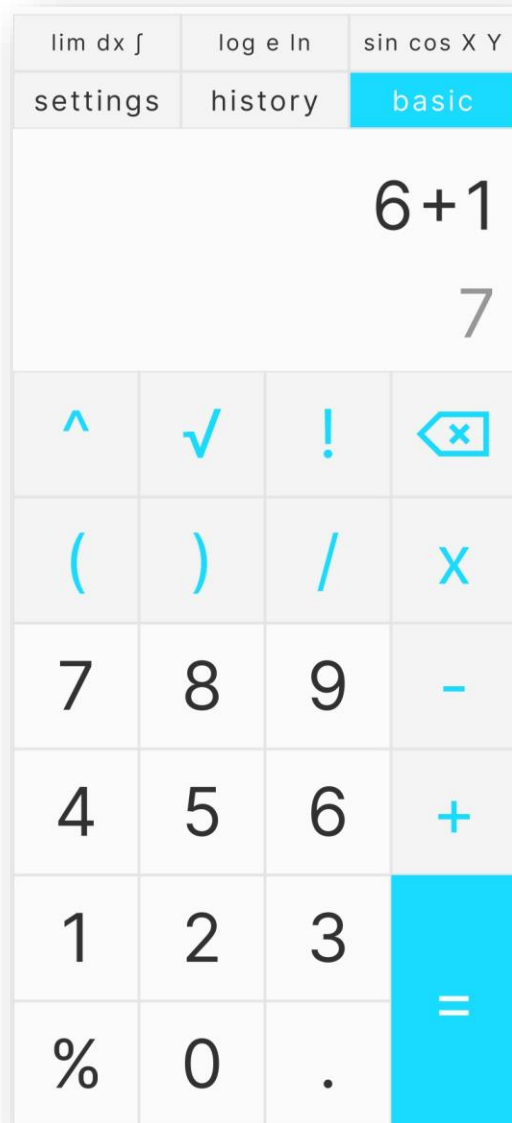
$[(, 1, +, 6, *, 2,), +, 12]$

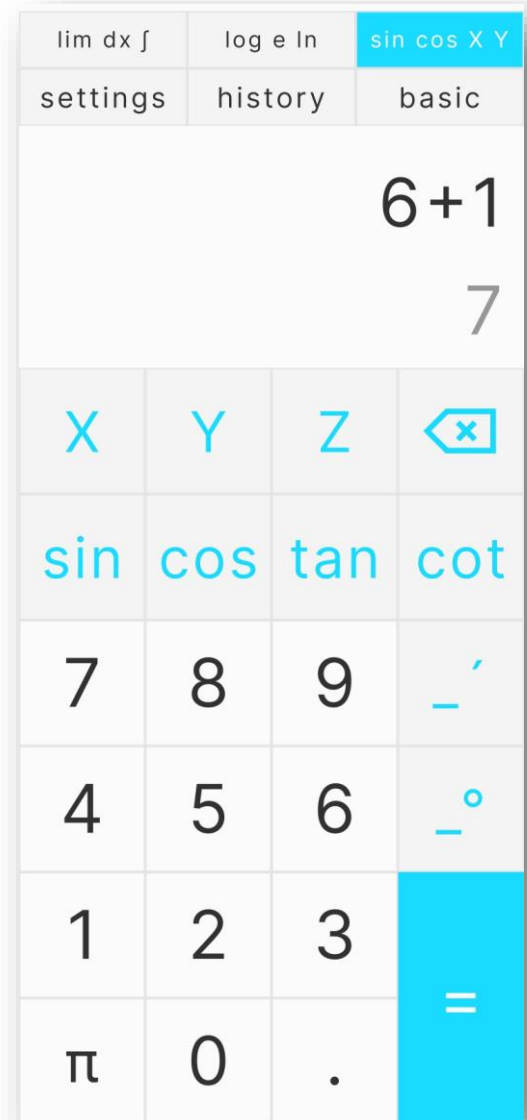
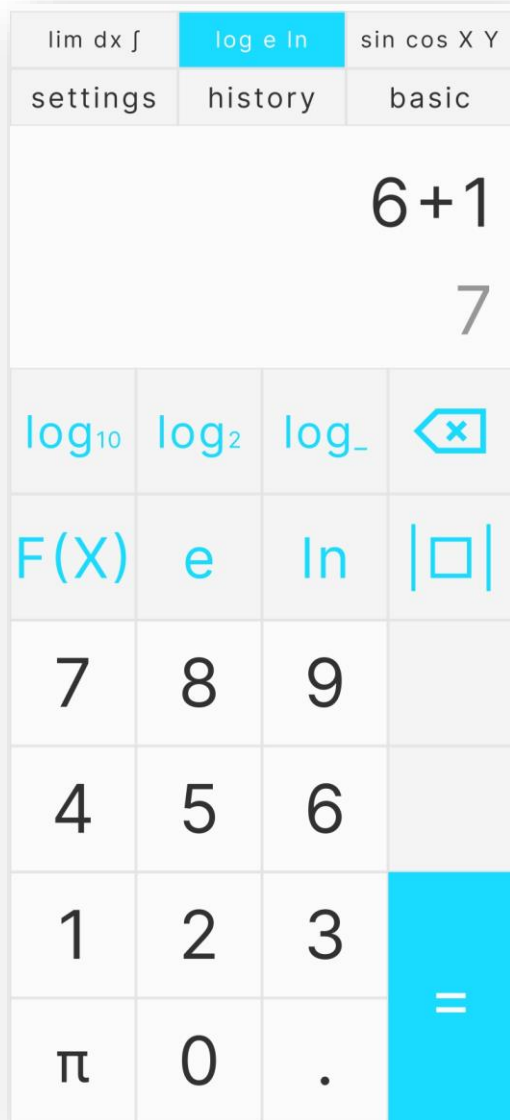
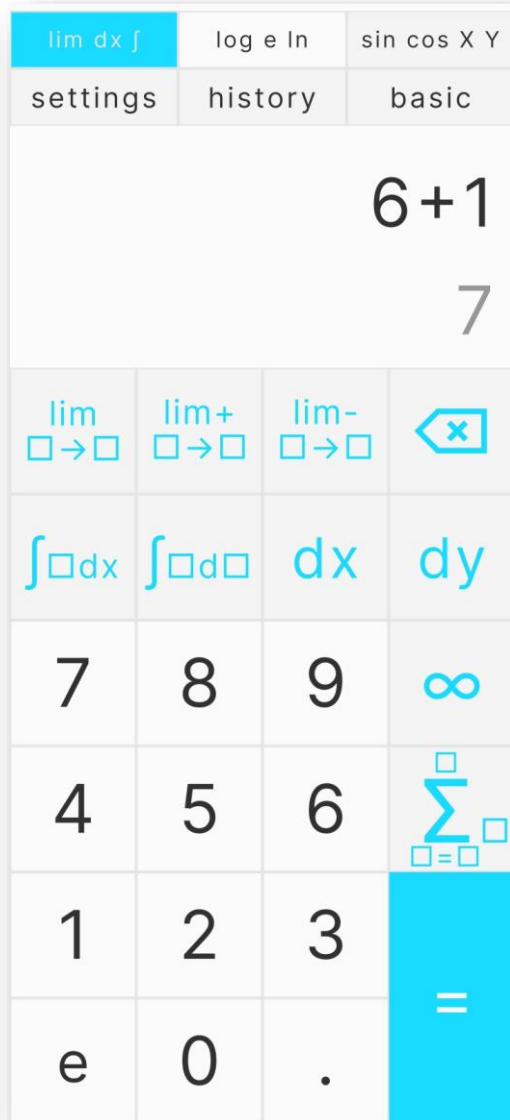


$[13, +, 12]$



"25"





$$s = \sqrt{\frac{1}{N-1} \left(\sum_{i=1}^N x_i^2 - N\bar{x}^2 \right)}$$

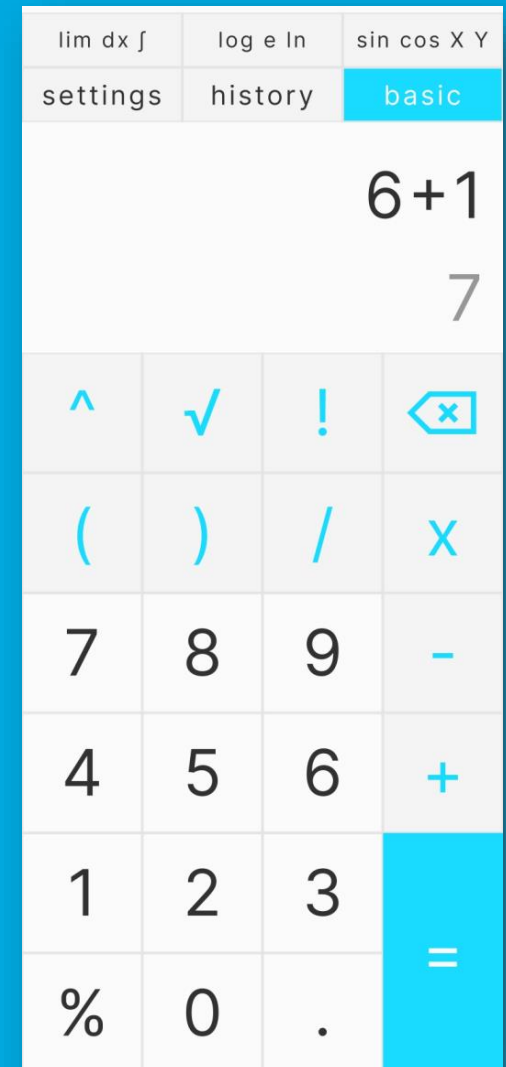
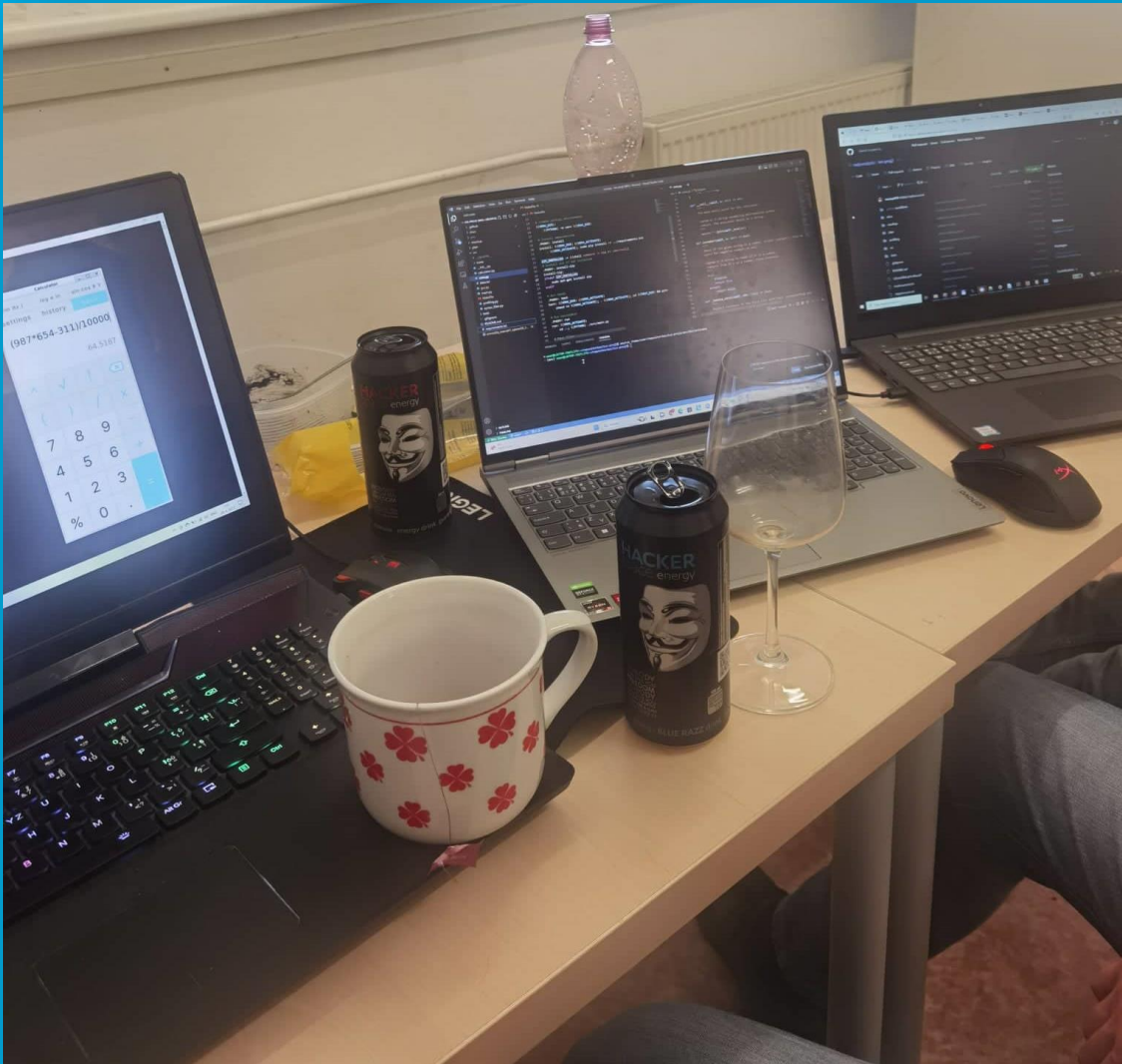
$$\bar{x} = \frac{1}{N} \sum_{i=1}^N x_i$$

- GIT
- Projekt ako celok
- Deadline musí byť naozaj deadline
- Fyzické stretnutia > videocall



- <https://upload.wikimedia.org/wikipedia/commons/thumb/c/c3/Python-logo-notext.svg/1200px-Python-logo-notext.svg.png>
- https://github.githubassets.com/images/modules/logos_page/GitHub-Mark.png
- <https://play-lh.googleusercontent.com/0oO5sAneb9lJP6l8c6DH4aj6f85qNpplQVHmPmbbBxAukDnlO7DarDW0b-kElHa8SQ>
- <https://www.jetbrains.com/pycharm/guide/assets/sphinxdoc-5743f4ae.png>
- https://en.wikipedia.org/wiki/Pytest#/media/File:Pytest_logo.svg

Ďakujeme za pozornosť



26.04.2023, 6:58 AM