Pydon'ts
Write elegant Python code (v2)
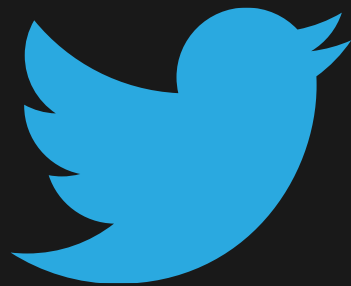
by Rodrigo Girão Serrão

Pyjamas Conf 2021

About me

Rodrigo Girão Serrão

- Formal education: maths

- Writing Python since 2012

- Training/teaching:
  - Python, maths, etc (mathspp.com)
  - APL (Dyalog Ltd.)

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Task

```
>>> swap_case("Hello, world!")
'hELLO, WORLD!'

>>> swap_case("abCde 15")
'ABcDE 15'
```

A little detour...

Refactoring recap

- refactor `for` loop;
- use a conditional expression;
- leverage appropriate string method (`isupper`);
- replace ITM pattern with list comprehension;
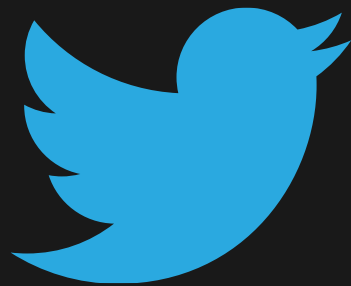- use THE appropriate string method.

References

- Pydon'ts:
  - Bite-sized refactoring, https://mathspp.com/blog/pydonts/bite-sized-refactoring
  - Does elegance matter, https://mathspp.com/blog/pydonts/does-elegance-matter
  - Why mastering Python is impossible, and why that's ok, https://mathspp.com/blog/pydonts/why-mastering-python-is-impossible
  - Conditional expressions, https://mathspp.com/blog/pydonts/conditional-expressions
  - List comprehensions 101, https://mathspp.com/blog/pydonts/list-comprehensions-101
  - DjangoCon talk, https://www.youtube.com/watch?v=s6dJab2qwkg

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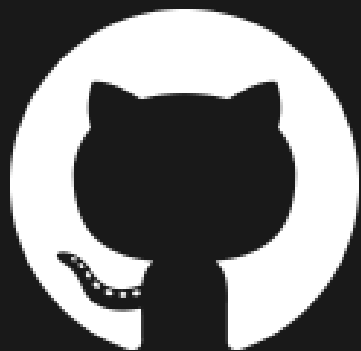
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