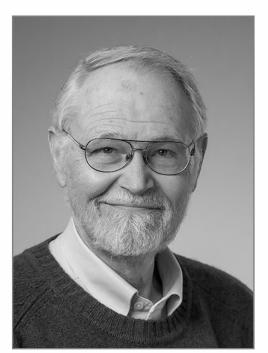
## Code Style

YEGOR BUGAYENKO

Lecture #22 out of 24 80 minutes

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BRIAN KERNIGHAN

"The harder it is for people to grasp the intent of any given section, the longer it will be before the program becomes operational. Trying to outsmart a compiler defeats much of the purpose of using one. Write clearly — don't sacrifice clarity for 'efficiency."

— Brian W. Kernighan and Phillip James Plauger. *The Elements of Programming Style*. McGraw-Hill, Inc., 1974

Code Style @yegor256

## Which One Is Better?

```
int f(int n)
int f(int n)

if (n == 1 || a < 2)
   return 1;

int a = f (n-1);
   int b = f (n-2);
   return a + b;
}</pre>
```

```
int fibonacci(int n) {
  if (n <= 2) {
    return 1;
  }
  return fibonacci(n - 1)
  + fibonacci(n - 2);
}</pre>
```

Code Style @yegor256

## My Favorite Style Checkers

- Qulice for Java (Checkstyle + PMD)
- ESLint for JavaScript
- Clang-Tidy for C++
- Pylint for Python
- Rubocop for Ruby
- PHP\_CodeSniffer for PHP
- <u>rustfmt</u> for Rust

Code Style @yegor256

## References

1974.

Brian W. Kernighan and Phillip James Plauger. *The Elements of Programming Style*. McGraw-Hill, Inc.,

Code Style