Introduction to Functional Programming

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- immutable vs mutable
- referencial transparency

3 What is a function

- function vs method

- pure function

- partial function

4 Statement vs Expression

```
(defn test [x]
  (+ x 2))
```

5 What is polymorphism?

- how to achieve polymorphism in FP vs OOP?

- subtyping

- ad hoc polymorphism (method overloading)

- parametric polymorphism

6 Macros vs Monads?

7 Does it scale?

- Is it fast?