

Testing Higher Order Functions With the Mailbox

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What is a Higher Order Function?

A higher order function meets at least one of two requirements

- Takes a function as a parameter
- Returns a function

Examples:

Enum.map/each/filter/reduce/all?/any?
List.foldl/foldr

Function Purity

Pure functions always return the same result given the same input

Impure functions produce side effects which may be out of your control. They may also be unpredictable.

Elixir Mailbox

Each Process has a store other processes can deliver messages to

You can deliver messages to your own mailbox

- `send(pid, message)`
- `receive do`
- `self()`

Live Coding!

What could possibly go wrong?



Questions/Feedback?

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