How FP Deals With Effects

PoolC 양제성

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목차

1st Session

1. 함수형 프로그래밍 Intro
    - Overall Structure
    - Historical Review (CS + Math)
2. SW 엔지니어링의 목표
    - SW Maintainability
    - FP vs OOP vs PP
3. FP는 정말 순수한가?
    - Purity of Functions
    - File I/O Scenario

Basic Haskell Knowledge

2nd Session

1. 함수 합성을 위한 도구들
    - Partial Application
    - Kleisli Composition
2. ...중 하나인 모나드
    - Functor to Monad
    - IO Monad
3. 부수 효과의 관리
    - Action / Calculation / Data
    - Preventing Action Propagation

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Overall Structure

FP is all about **composing pure functions**.

```
int main(void) {
  f(); g(); h(); ..
}
```

[Procedural Promramming]

VS

```
f(g(h(..)))
```

[Functional Programming]

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Overall Structure

How?

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