

MONAD

Meaning: In functional programming, a monad is an abstract data type that encapsulates and manages computations, particularly those involving side effects, in a structured way.

1. In functional programming, a monad is often used to handle side effects in a pure way.
2. The concept of a monad can be difficult to grasp at first, but it is essential for understanding advanced programming techniques.
3. In mathematics, a monad is a structure that represents computations instead of just values.
4. The Haskell programming language has a powerful implementation of monads that allows for elegant code composition.
5. Philosophically, the term "monad" refers to a simple substance that cannot be divided, as proposed by Leibniz.

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