



# Review of different Programming Paradigms

Instructor: Kayode Oladapo

Education: Ph.D in Computer Science

Email: oladapoka@mcu.edu.ng

Website: <https://sites.google.com/view/kayodeabiodunoladapo>

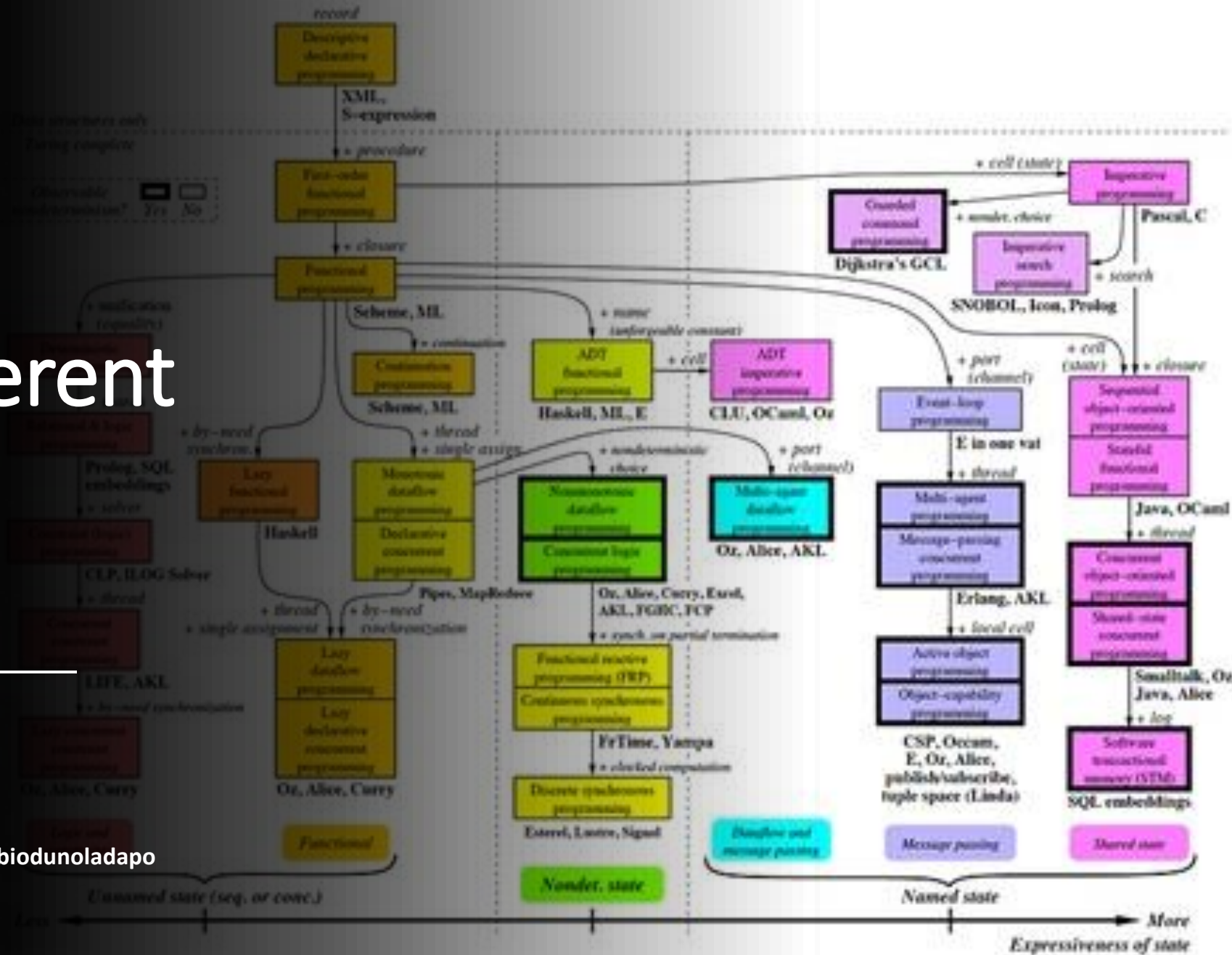


Figure 2. Taxonomy of programming paradigms

## Learning Objective

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Explain the different programming paradigms

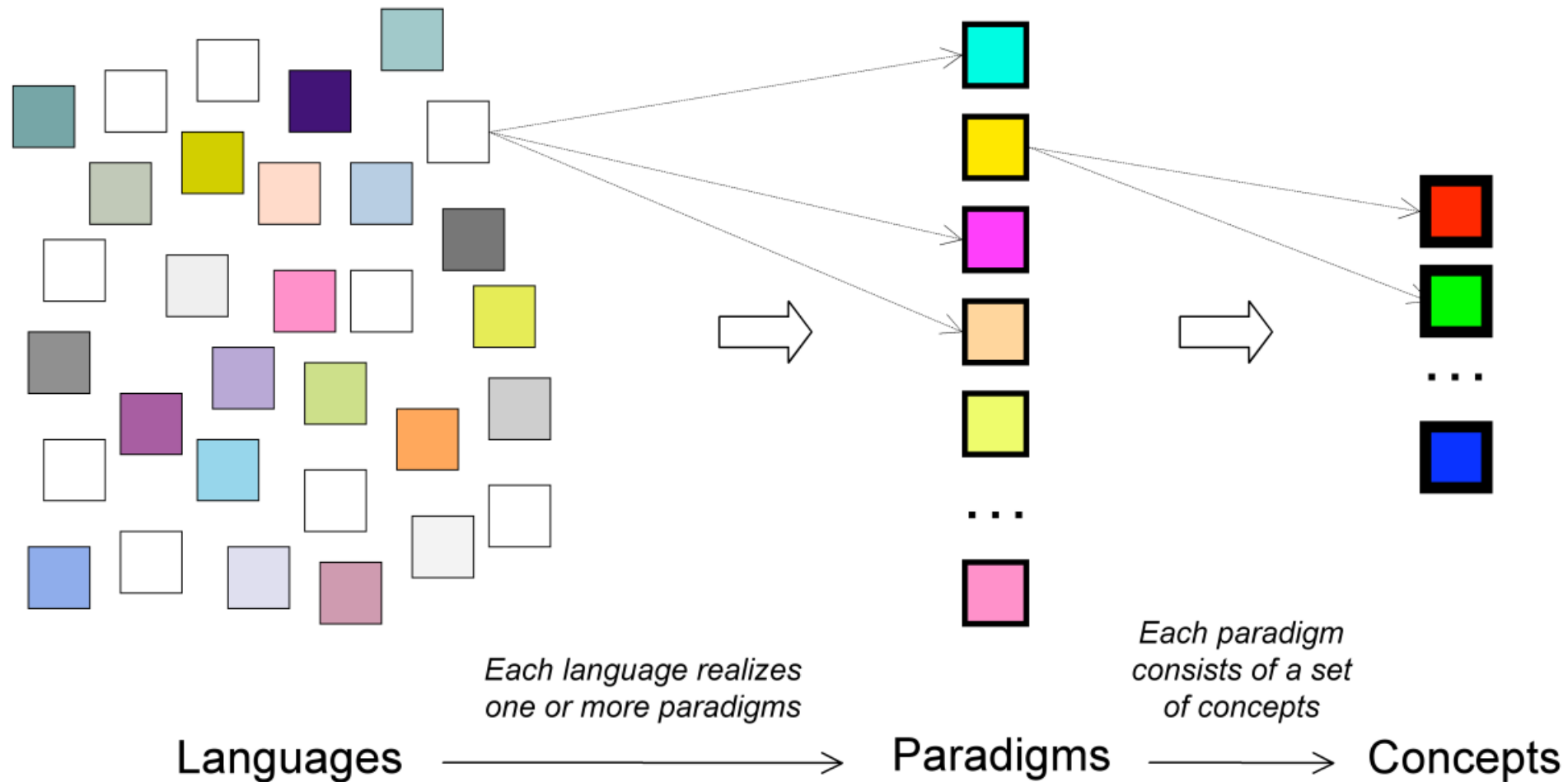


# What is Programming Paradigms?



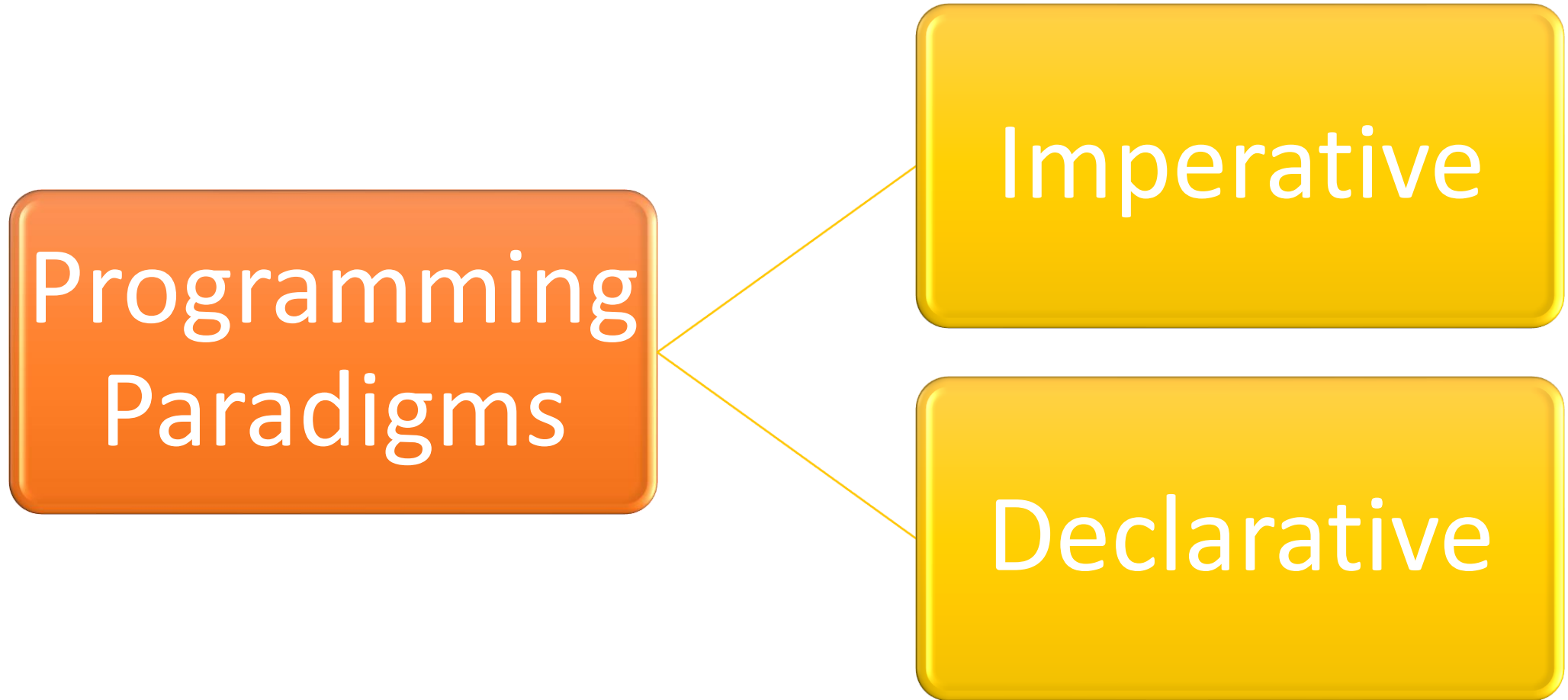
- In layman's terms, programming paradigms are a fundamental style of computer programming.
- In technical terms, a programming paradigm is a way to deal with tackle issues utilizing some programming language.

# Paradigms and Languages



- ...how computation is expressed and works
- ...how a program is organized (program design perspective)
  - structure (what parts)
  - behaviour (how parts compute)
  - interaction – (how parts interact)

# Approaches to Programming Paradigms



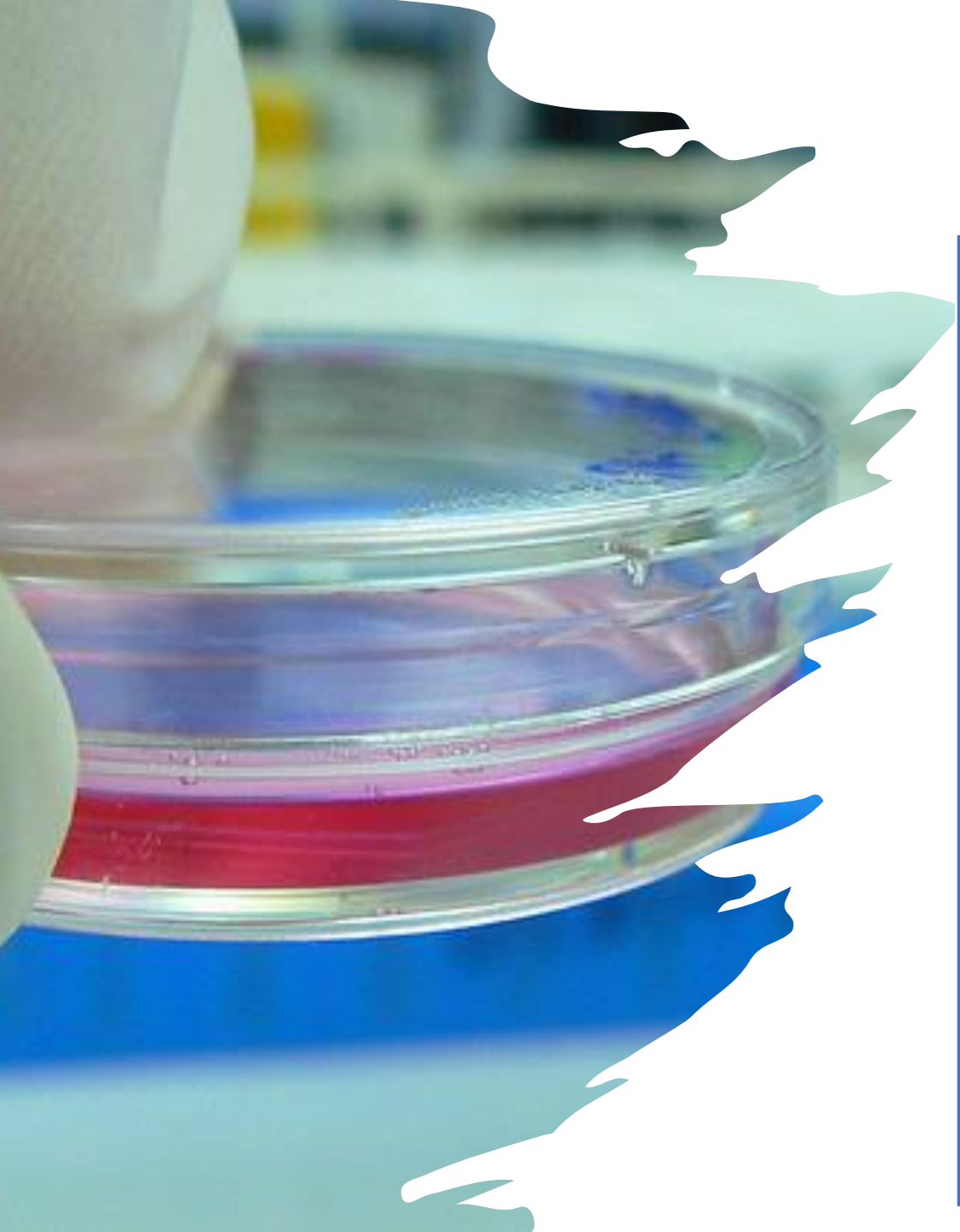
# Other Paradigms

Imperative

OOP

Procedural

Parallel Processing  
Approach



# Other Paradigm

Declarative

Functional

Logical

Database Processing



common types  
of  
programming  
that can be  
implemented  
using different  
paradigms

Event Driven Programming

Automated Based Programming

Reactive Programming



# Assignment

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