

# Classes

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**Harit Himanshu**

@harittweets



# Overview



Class Structure

Companion Objects

Creating Objects Using *apply*

Case Classes

Launching Standalone Programs



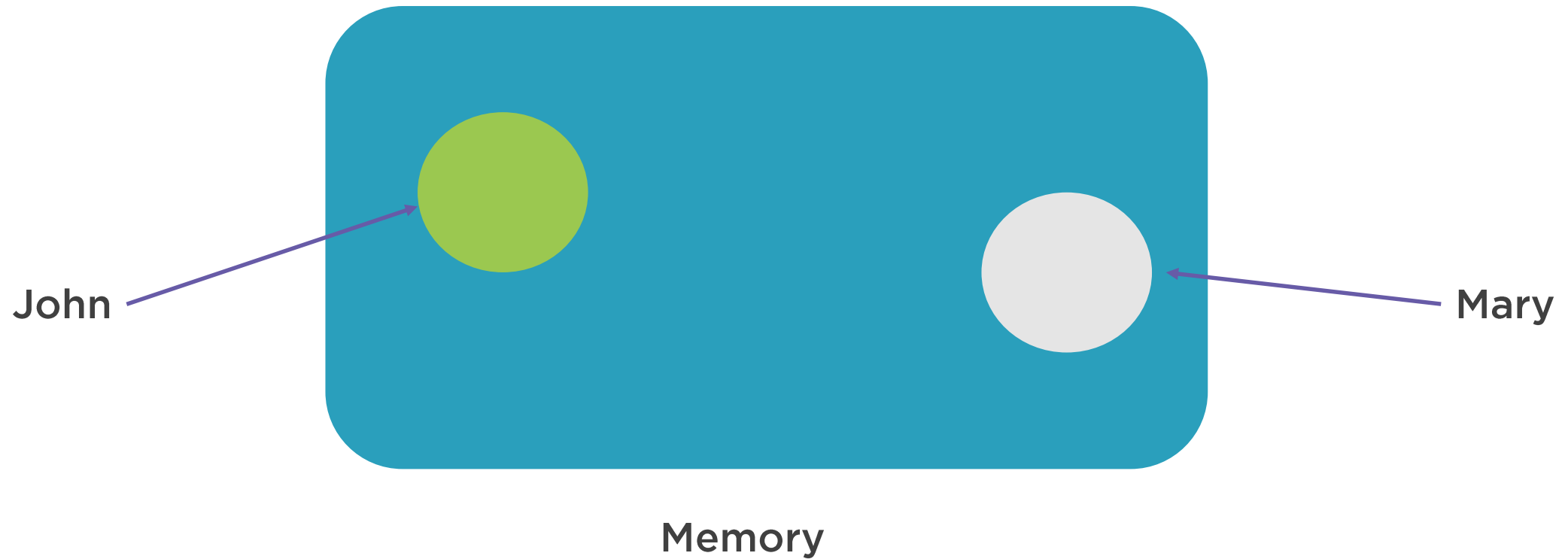
# Class Members

**Fields**

**Methods**



# Computer Memory



# Companion Objects

Same name as the Class

Start with *object* keyword

Live in same source file as Class

Access private members



# apply

create new instances without *new* keyword



# Case Classes

```
case class Person(firstName: String, lastName: String)
```



# Case Classes

Companion Objects (and *apply* method)

Immutable arguments in parameter list

*copy* method to make modified copies

*hashCode*, *equals*, *toString* by default

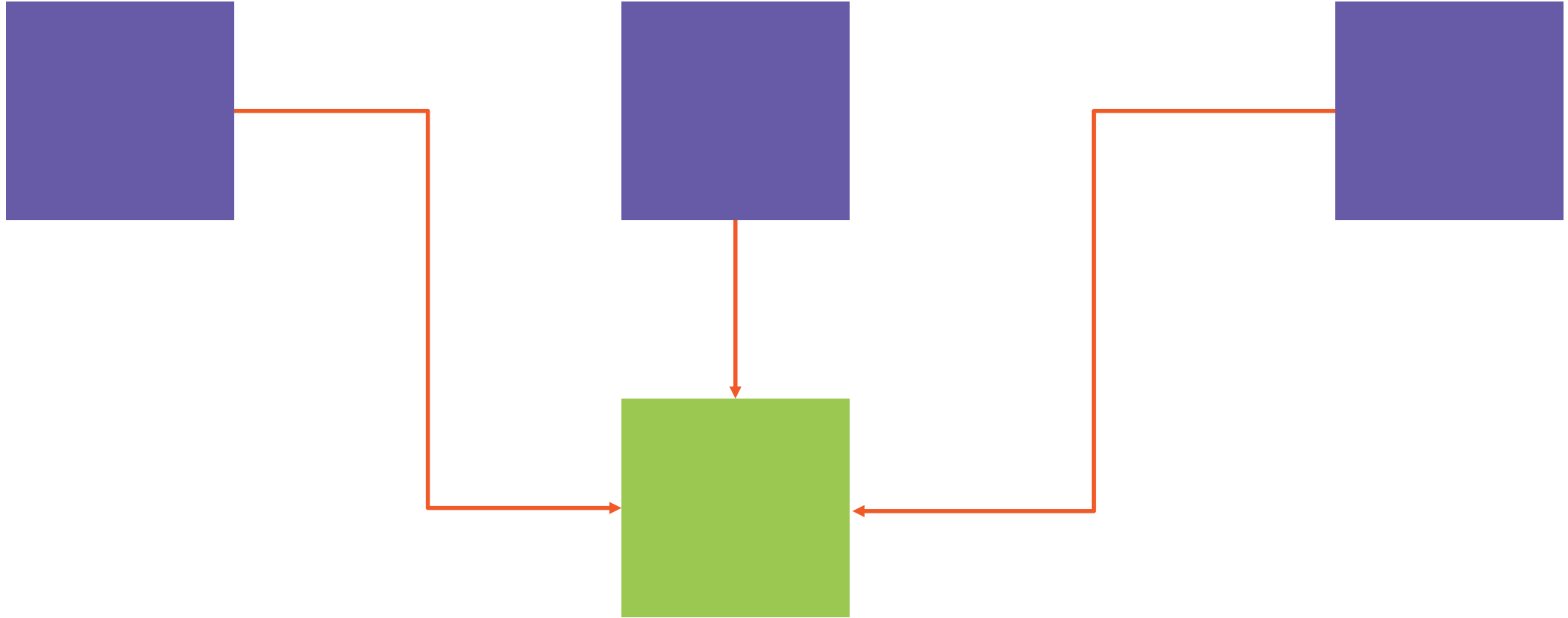
Pattern Matching

Later module

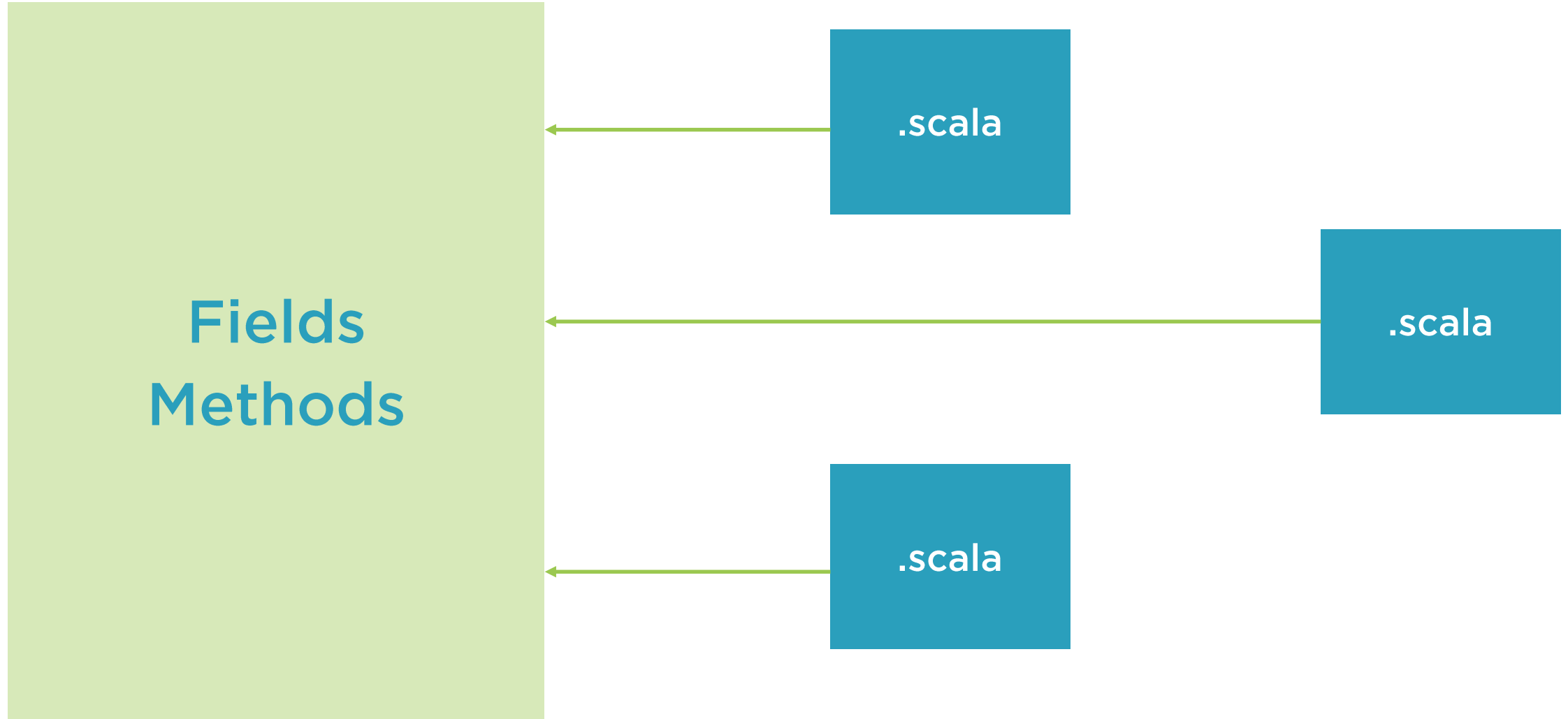




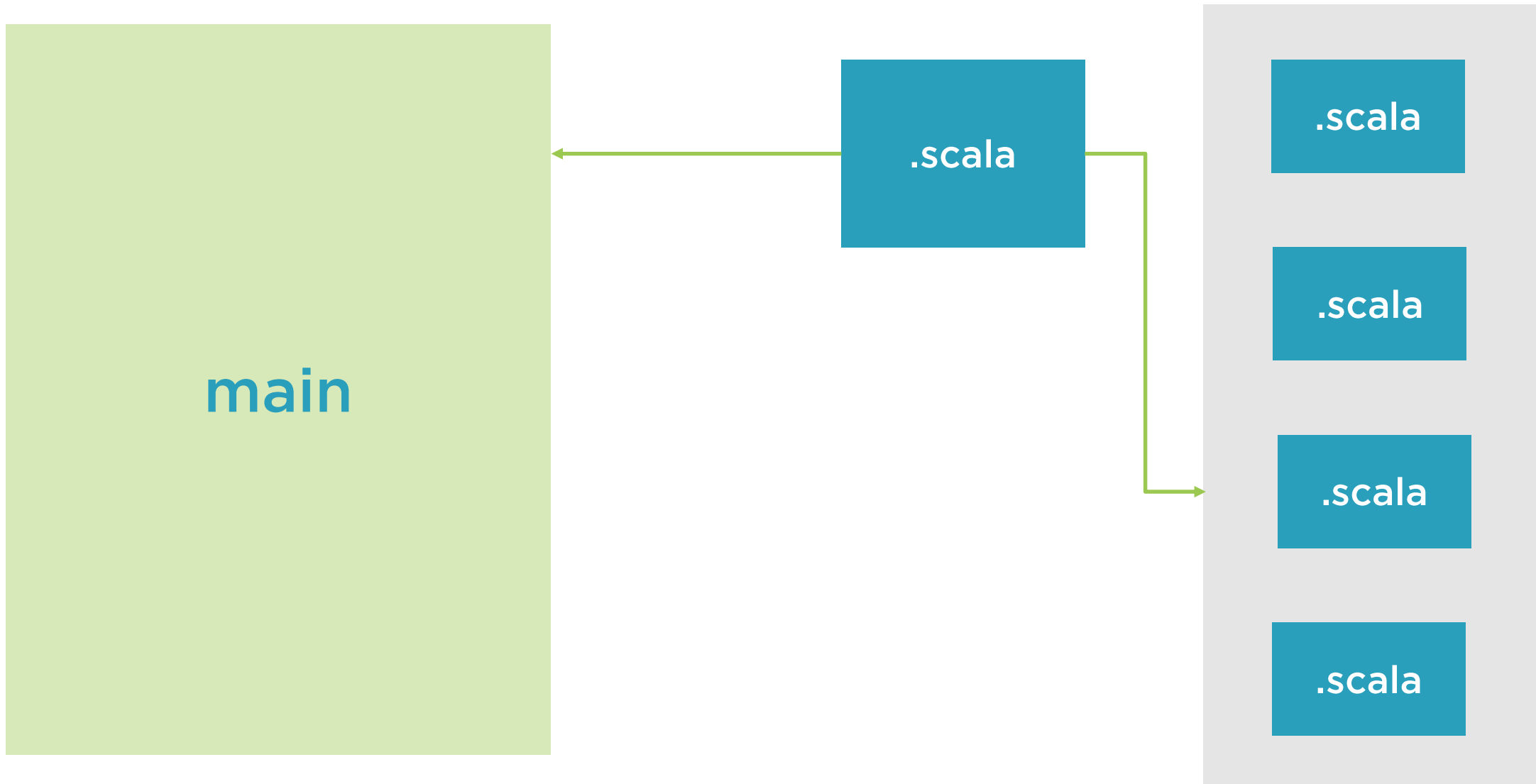
# Entrypoint



Trait



# App Trait



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