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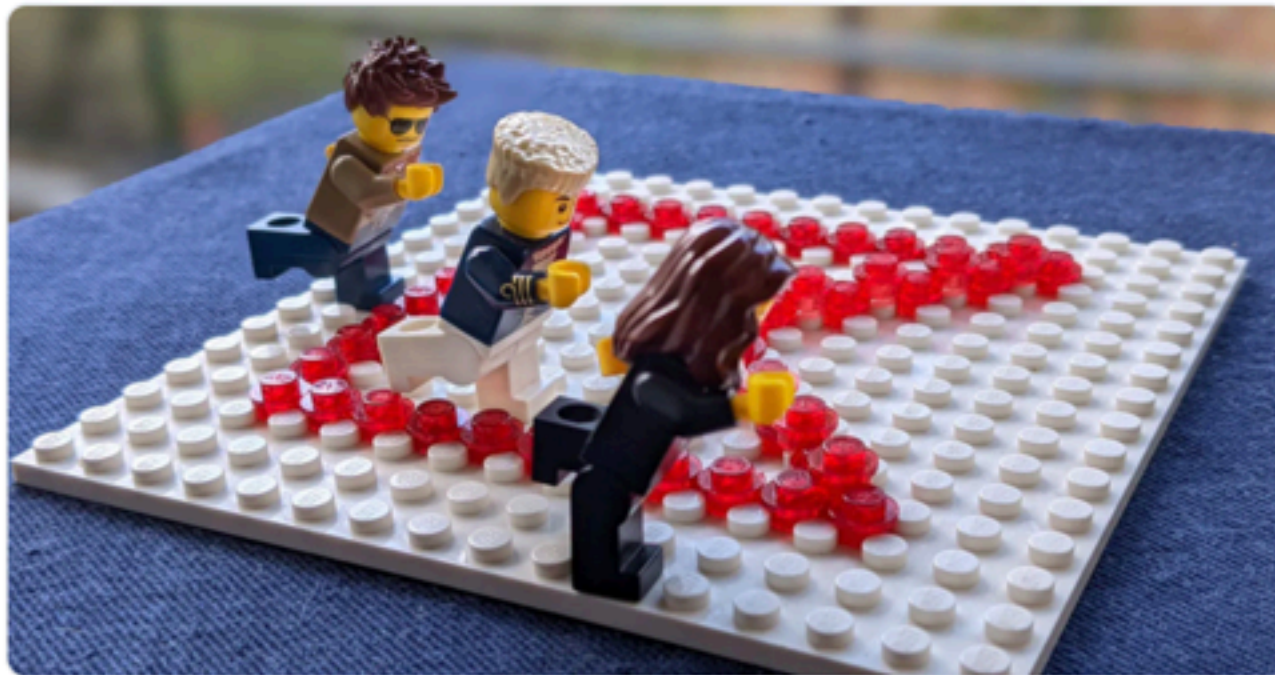
HOME



## Coroutines racing! Why, and how.

Nov 8, 2021 7 min read

Over the years, I found myself needing the following:  
Run multiple related coroutines (i.e. asynchronous operations), and when one completes, cancel/stop the other ones. As usual, and especially since we're in Kotlin, I have been looking for the easi...



## How to return 2+ values with 0 allocation in Kotlin



Google this



•  Run multiple pieces of code concurrently.





•  ~~When the first one wins (completes),~~

• **losers (others) are cancelled,**

and the winner's value is returned.



• **Time out (even with dynamic delay)**

Under conditionalization

• Different ways of getting a value



The principle

Example use cases

Google this













delay(3.seconds)

val result = raceOf {





assessments (

delay(3.*nanoseconds*)



actual = real



expected = "fast",







