

Concurrency in OCaml

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What is Concurrency?

A concurrent program is the one which can run to produce optimal results even when it is not executed sequentially. It involves splitting a computation into concurrent pieces called 'Concurrent Modules'.

Process v/s Thread

Process

An isolated instance of a running program.

Thread

A thread is a portion of execution.



The two types of threads

User-level

Kernel-level



Goal



Create functions to deal with threads



Try out a locking mechanism

Approach

After trying to start implementation on our own, we examined the actual OCaml source code and saw that threads were implemented by wrapping C and OCaml together. We tried to do the same and understand how to do it.

**What we
did...**