Kotlin tricks

Kotlin   Java

$\downarrow$ Compile $\checkmark$ Compile

"class" file – Java bytecode

Operating system structures for executing code

Threads $\longleftrightarrow$ processes

Process – program that's running
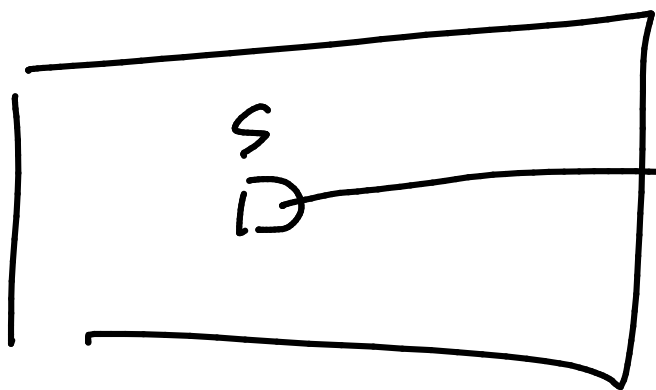
A single process can have multiple threads.

All of these can execute concurratly.

Within a process, all threads share the same heap space.

main() -
Val s = "hello"

main

"hello"

heap

Local variables
are restricted
to each
thread

shared between
threads of
same process

Processes don't share memory at all. *
Typically, each seperate program gets
own process, but a program that
wants to do multiple things but share
memory uses threads.

Threads are typically faster to start than processes.

Define thread code in "run"
Use "start" to actually create a thread. It invokes "run" for you.