

Waiting on Multiple Coroutines Concurrently by Using Select



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Coroutine Select



Suppose we have multiple suspending functions

- Want to execute when any one of those is done
- Select lets us do this



Using Select

Allows multiple channels to be waited on at once

- Use clauses to select from those channels
- Select is biased to first clause



```
select<Unit> { // Unit means select has no return value
    producer1.onReceive { value -> println(value) }
    producer2.onReceive { value -> println(value) }
}
```

Using Select

Can wait on many channels



Other clauses

Select on 'send'

- Use this to do a non blocking send

Polling

- Ask the channel if it can send/receive

Timeout

- Only wait for a specific time



Demo



Using Select



Summary



Select lets us wait on many channels

- This adds 'control flow' to channels
- Gives us much more flexibility



What's Next

