## Suspend Functions

## how can we make this code async?





















































































































































































































































































































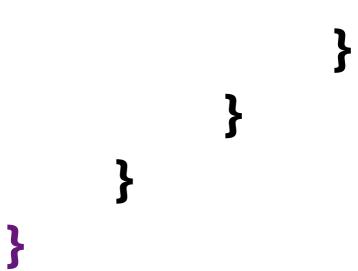






\* pseudocode - it wouldn't actually work because handling collections is a lot more complicated





fun bakePretzels(callback: (List<FinishedPretzel>) -> Unit) {

preheatOven(ColdOven) { hotOven ->

### prepareDough { dough ->

val shapedPretzels = List(5) { shapePretzel(dough) } //\*this is tricky

bake(hotOven, shapedPretzels) { bakedPretzels ->

val bakedPretzel = bakePretzels.map { //\*this is tricky

prepareTopping() { topping ->

### addTopping(it, topping)

1 • r

}

#### callback(bakedPretzels)

# Suspend Functions

## how can we make this code async?

```
fun bakePretzels(callback: (List<FinishedPretzel>) -> Unit) {
    preheatOven(ColdOven) { hotOven ->
        prepareDough { dough ->
            val shapedPretzels = List(5
                                               nePretzel(dough) } //*this is tricky
            bake(hotOven, shapedPret
                                           bakedPretzels ->
                val bakedPretzel
                                           zels.map { //*this is tricky
                    prepareTo
                                       topping)
                callback(bakedPretzels)
```

<sup>\*</sup> pseudocode - it wouldn't actually work because handling collections is a lot more complicated

# Suspend Functions

how can we make this code async?

```
fun bakePretzels(): List<FinishedPretzel> {
   val oven = preheatOven(ColdOven)
   val dough = prepareDough()
   val shapedPretzels: List<UncookedPretzel> = List(5) { shapePretzel(dough) }
   val bakedPretzels: List<CookedPretzel> = bake(oven, shapedPretzels)
   val topping: Topping = prepareTopping()
   return bakedPretzels.map { finishPretzel(it, topping) }
}
```