Lesson 5:
Scrolls and App Icons

Kotlin

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About this lesson

- Lesson 5:

  - More Kotlin fundamentals

    - High-order functions

  - Workshop:

    - Scrollable list

    - App Icon

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Get started

More Kotlin fundamentals

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Higher-order Functions

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High-order functions

- forEach()

- maps()

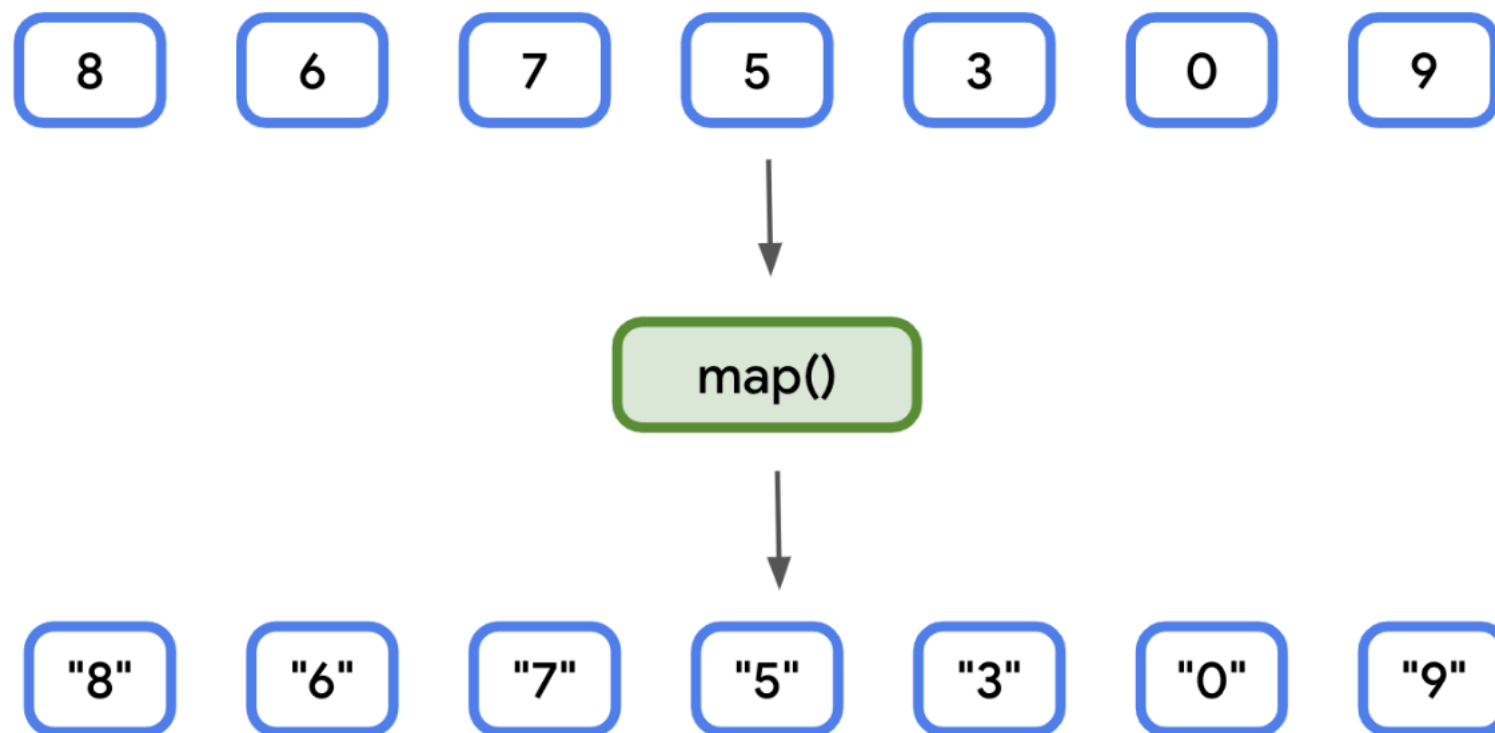- filter()

- groupBy()

- fold()

- sortedBy()

forEach()

- Helps to iterate all items with in a collection

- Executes the function passed as a parameter once for each item
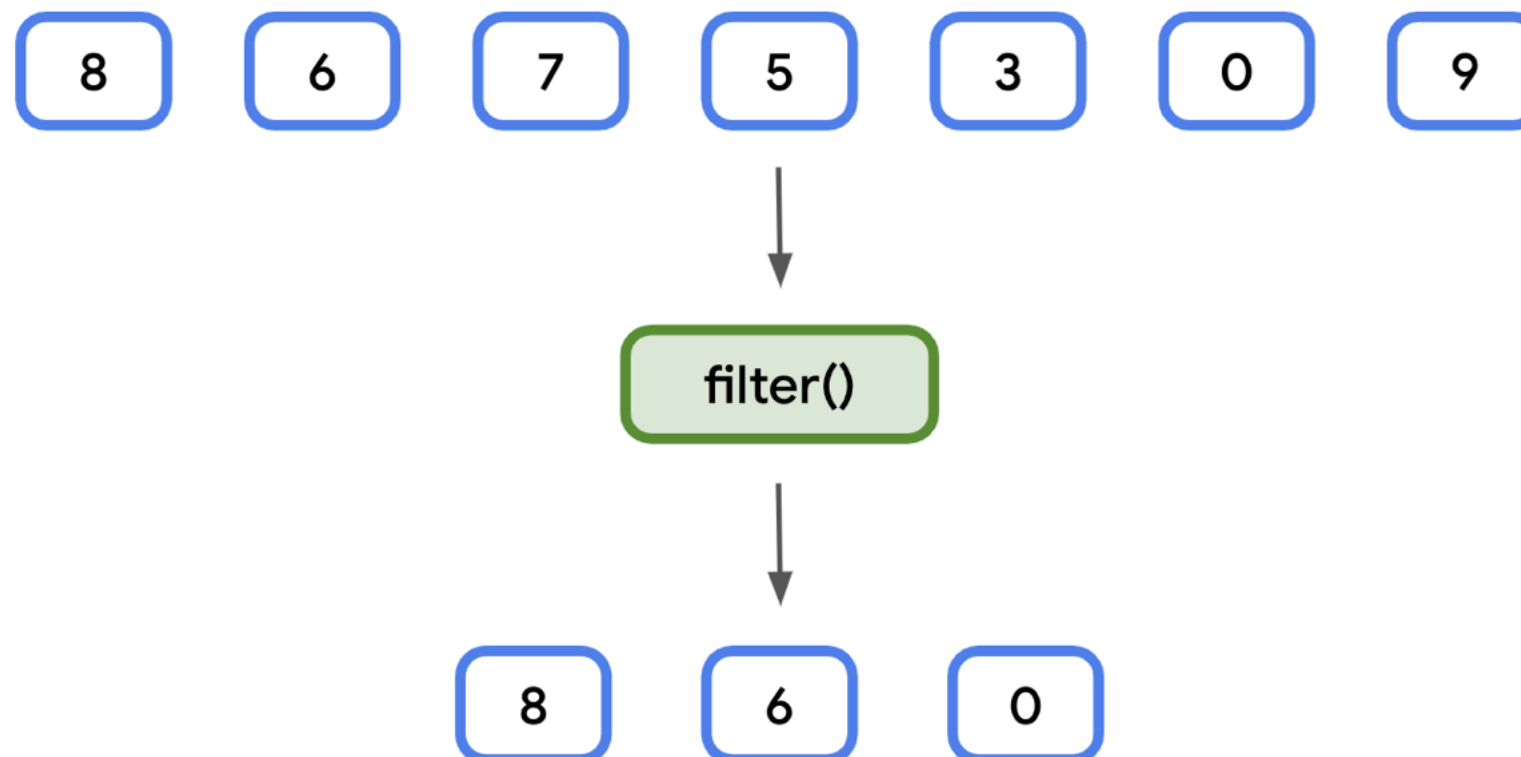
```
forEach(action: (T) -> Unit)

forEach { }
```

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map()

- Lets you transform a collection into a new collection

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filter()

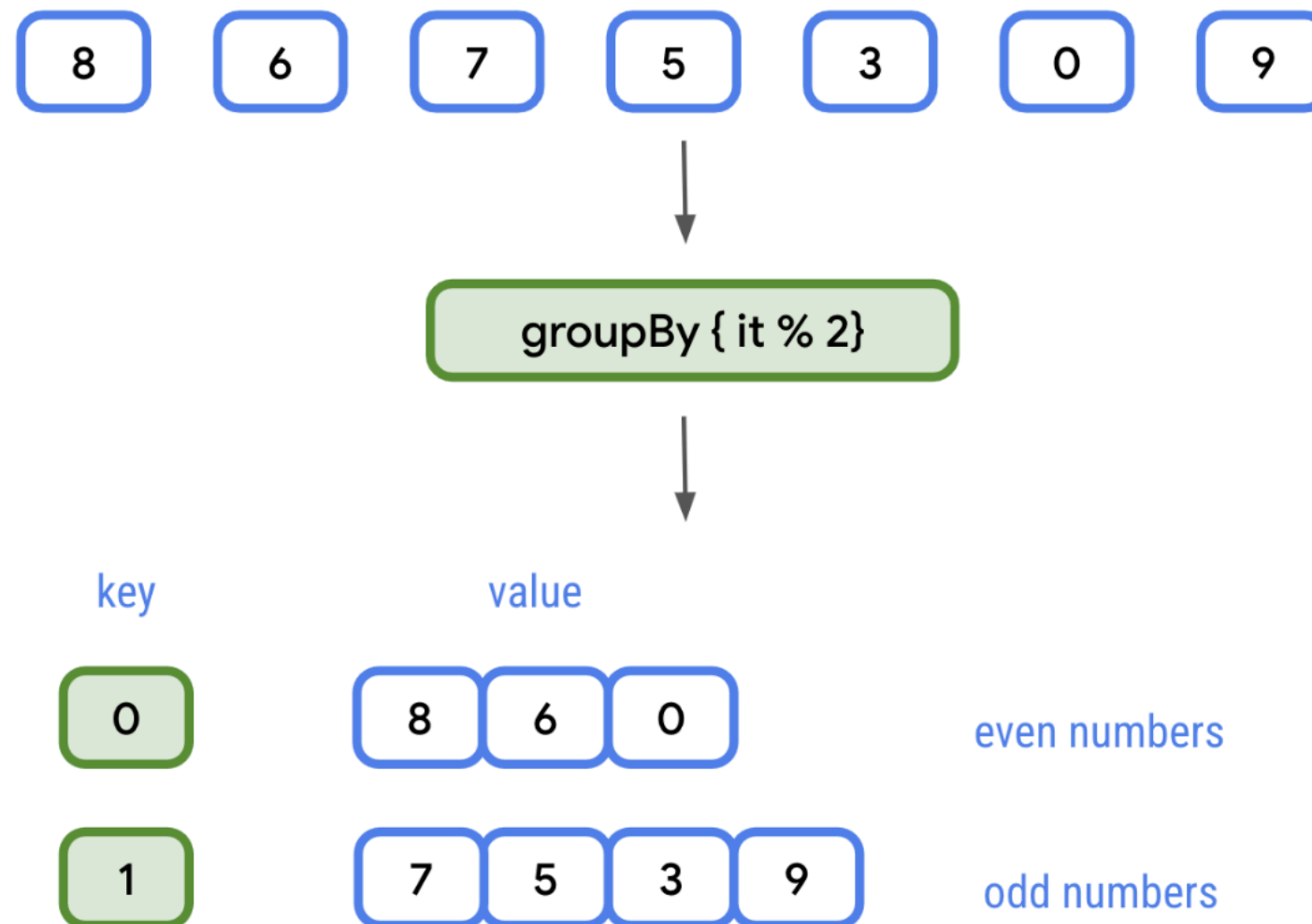- Lets you create a subset of a collection.

groupBy()

- Can be used to turn a list into a map, based on a function

- Each unique return value of the function becomes a key in the resulting map

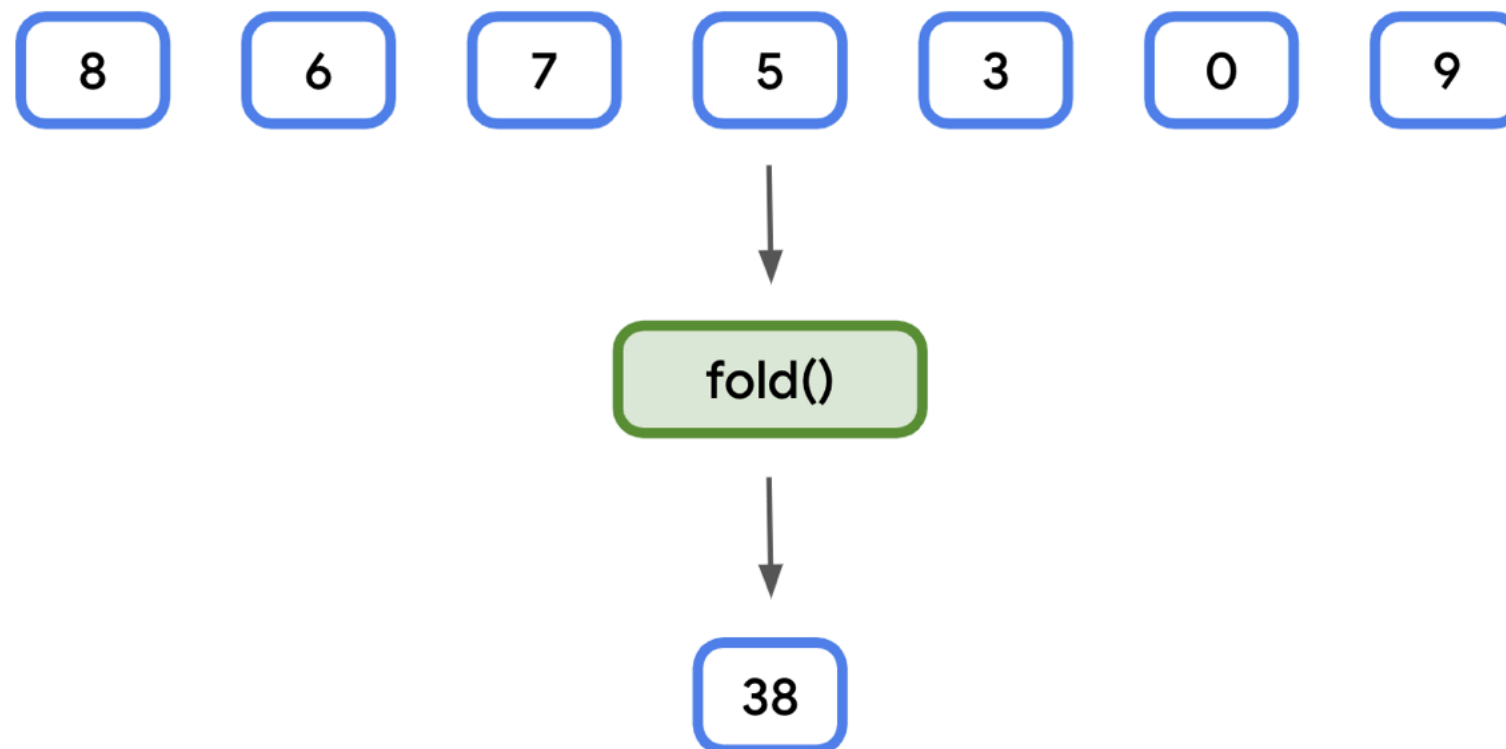- The values for each key are all the items in the collection that produced that unique return value.

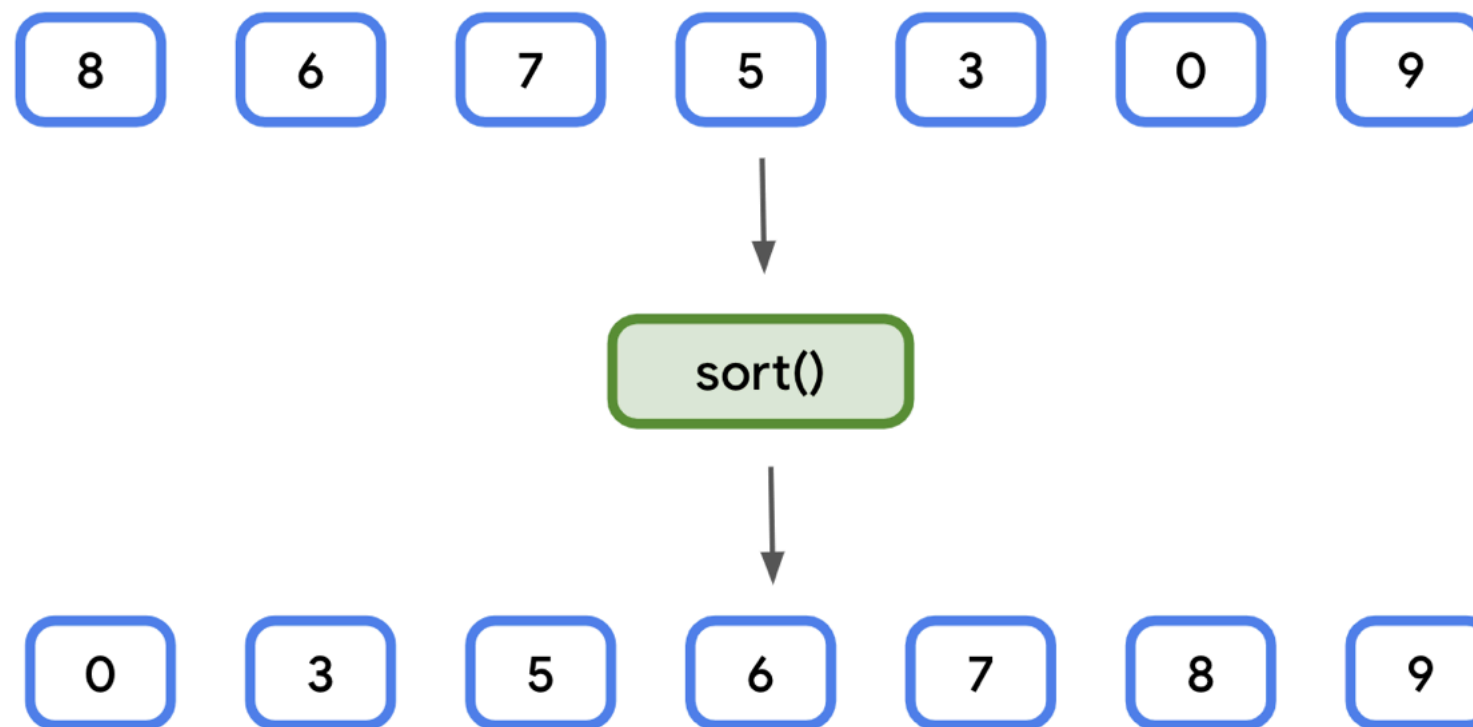KOÇ UNIVERSITY

groupBy()

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fold()

- Used to generate a single value from a collection

sortedBy()

- Lets you specify a lambda that returns the property you'd like to sort by

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Workshop

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