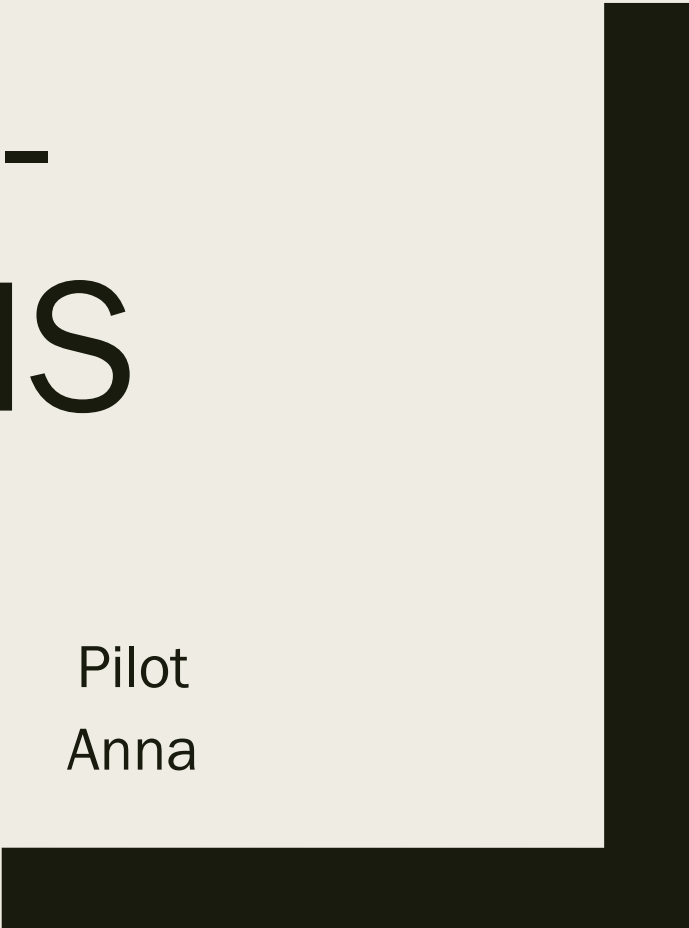




# CORE JAVA - COLLECTIONS

Pilot  
Anna

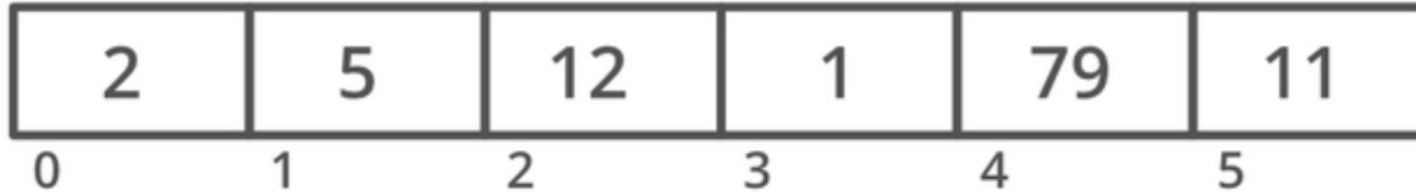


# Java Collections

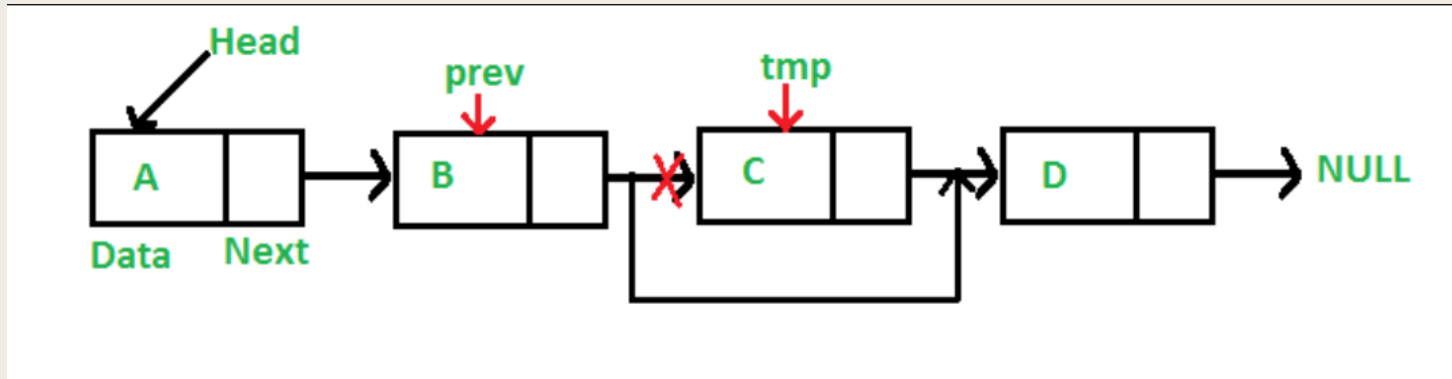
**a framework that provides an architecture to store and manipulate the group of objects.**

- List
- Set
- Map
- ArrayList
- LinkedList

## ArrayList vs LinkedList



Integer type (for all indices) Data



insert data easier for linkedList, but get data easier for arrayList since it has index

- Set vs List - ordered or not

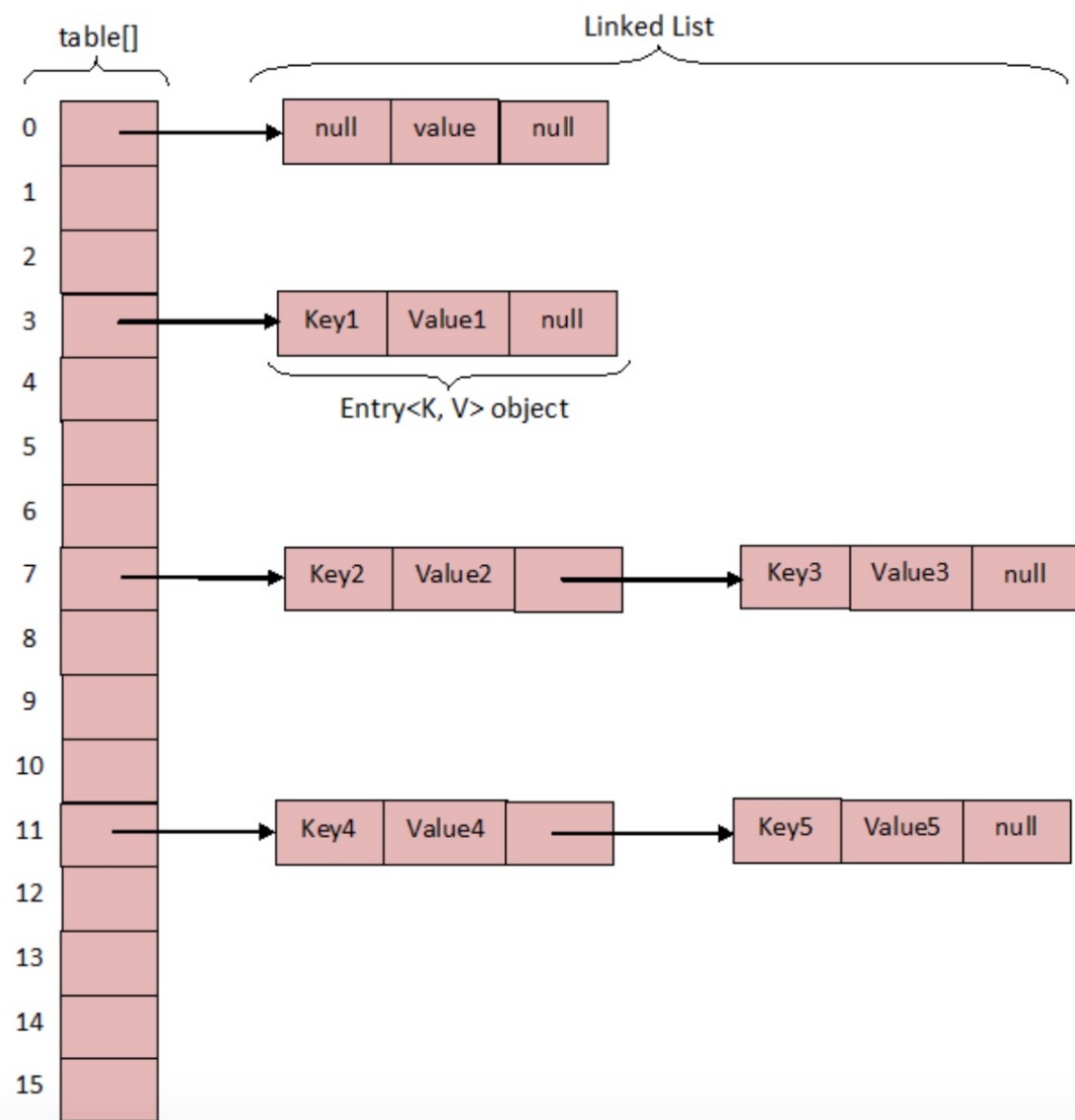
- HashSet

if can have duplicate items

- HashMap

internal data structure

## HashMap Internal Structure



# Sort

How to sort a list?

`Collections.sort()`

## Comparator vs Comparable

- Comparator is an object for comparing different objects of different classes. It provides `compare()` method to sort elements.
- Comparable is an object to compare itself with another object. And it provides the `compareTo()` method to sort elements.

Homework 3

LinkedList Implementation

HashMap internal implementation

Homework 2 check