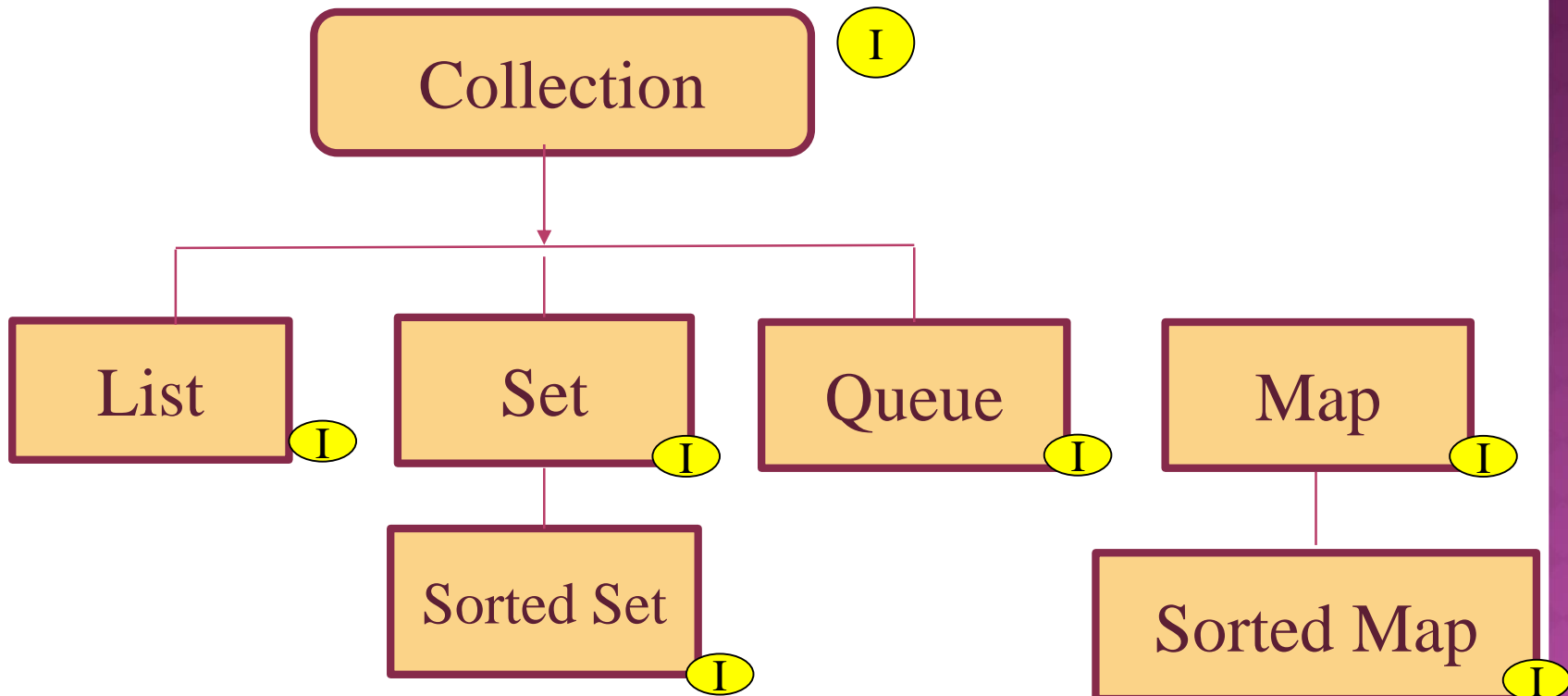


# COLLECTIONS

Autor: Tamara Herrera

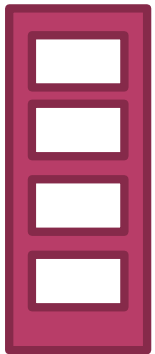
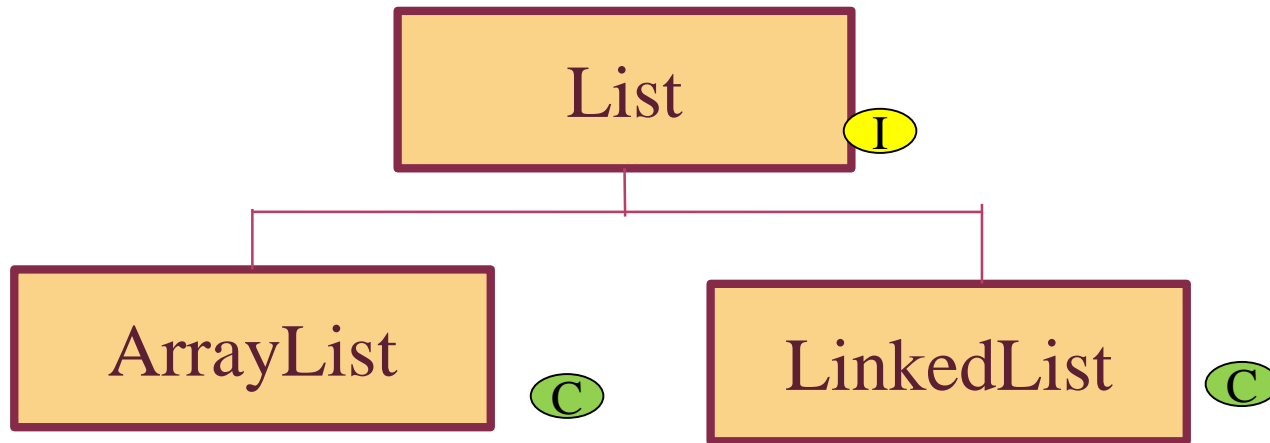
# COLLECTIONS

Permiten trabajar con un conjuntos de datos.



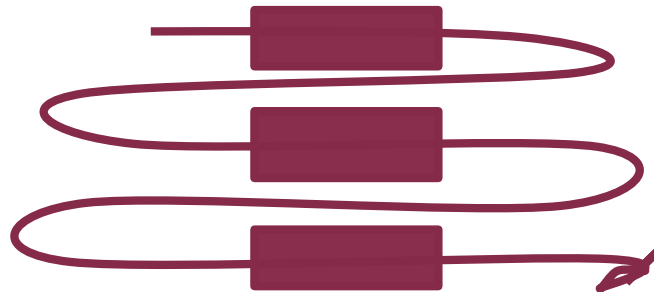
# LIST

Puede manejar datos repetidos, trabaja con subíndices



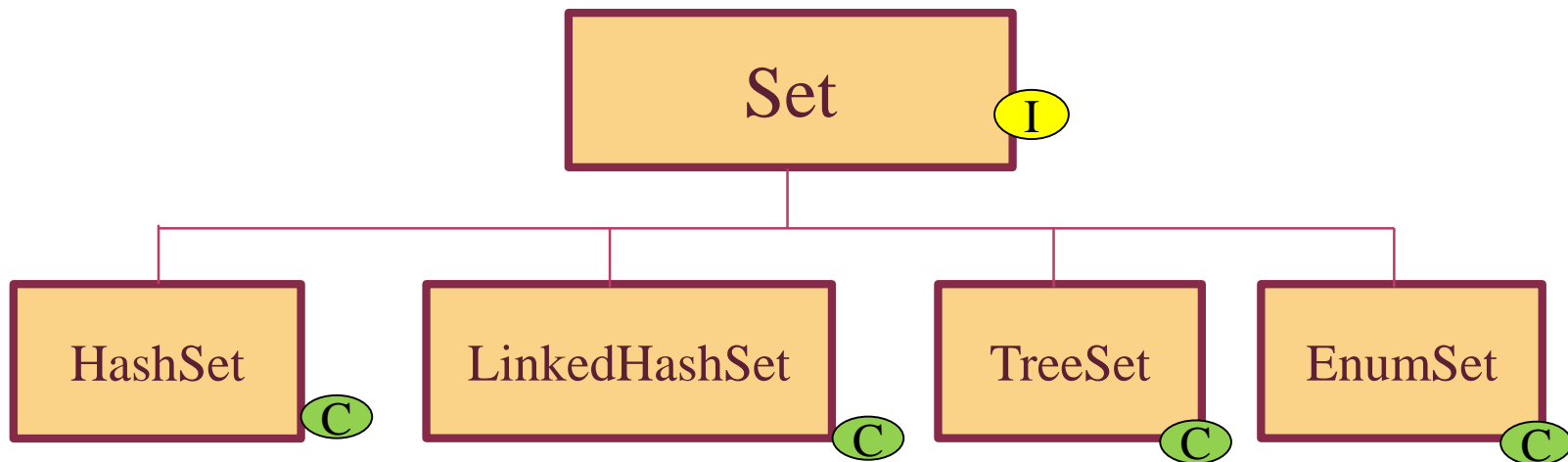
Se guardan los datos de manera contigua en la memoria. Más rápido accediendo a elementos.

No se guardan de manera contigua. Mas eficaz agregando y eliminando elementos



# SET

Maneja datos no repetidos y sin índices.



`Set<Usuario> x = new Set()<Usuario>;`      **ERROR**

`Set<Usuario> x = new HashSet()<Usuario>;`

# CLASES SET

HashSet

Rápido, sin orden, no se puede acceder aleatoriamente y no hay datos duplicados.

LinkedHashSet

Orden según entrada de datos, no es eficiente para agregar un elemento.

TreeSet

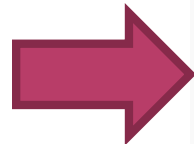
Orden obligatorio en los elementos mediante la Interfaz Comparable. No permite datos duplicados

EnumSet

Trabaja con tipos de datos enumerados.

# ITERADORES

ListIterator



Iterator



## Methods

Modifier and Type	Method and Description
boolean	<b>hasNext()</b> Returns true if the iteration has more elements.
E	<b>next()</b> Returns the next element in the iteration.
void	<b>remove()</b> Removes from the underlying collection the last element returned by this iterator (optional operation).

## Methods

Modifier and Type	Method and Description
void	<b>add(E e)</b> Inserts the specified element into the list (optional operation).
boolean	<b>hasNext()</b> Returns true if this list iterator has more elements in the forward direction.
boolean	<b>hasPrevious()</b> Returns true if this list iterator has more elements in the reverse direction.
E	<b>next()</b> Returns the next element in the list and advances the cursor position.
int	<b>nextIndex()</b> Returns the index of the element that would be returned by next().
E	<b>previous()</b> Returns the previous element in the list and moves the cursor position backwards.
int	<b>previousIndex()</b> Returns the index of the element that would be returned by previous().
void	<b>remove()</b> Removes from the list the last element that was returned by previous() (optional operation).
void	<b>set(E e)</b> Replaces the last element returned by next() or previous() with the specified element (optional operation).