**ArrayList, LinkedList**

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**What is Array and ArrayList and their differences in Java?**

Array is fixed sized. Array members are accessed using [index]. Array can store both primitive data types as well as.

ArrayList is dynamic sized array like below. ArrayList has a set of methods to access elements and modify them. ArrayList only supports object entries, not the primitive data types

**What are differences between ArrayList and LinkedList?**

ArrayList stores the value in a single position.Whenever an element is added, all elements after that position are shifted

LinkedList stores 3 values (previous address, data, and next address) in a single position.

Whenever an element is added, previous and next address are changed.LinkedList implements Deque and Queue interfaces and provides more methods to manipulate data in it.

**What is Iterator in Java?**

An Iterator is an object that can be used to loop through collections, like ArrayList and HashSet. We can use iterator to loop through all collections that extends to Iterable interface.

Iterator provides 3 useful methods to use:

hasNext() -> returns true if there are more elements in the collection or false otherwise

next() -> gets next element from the collection

remove() -> removes the element from collection that is currently retrieved