ITERATORS

Going through Collections

Collections

01

Array

Consecutive homogeneous memory location

02

ArrayList

Dynamic Array : can increase or decrease it size

03

HashSet

Can have only distinct elements

04

HashMap

Elements are stored in key value pairs

Using collections

To perform any task we have to get the object from the collection .

Iterator methods

Iterator is a common method to iterate through any collection

It has following methods :

hasNext()	next()	Remove()
• Returns true if there are elements in collection	• Returns the next specified element during the iteration.	• Removes the last element from the collection as provided by the iterator.

01

Iterating ArrayList

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Iterating ArrayList

Import java.util.Iterator

Create a iterator object of same type as of the arraylist you want to traverse

Iterator<datatype> oject name

Intialize the object use iterator method of same class.

obj= arraylist.iterator();

Iterating HashMap

hm.entrySet() is used to retrieve all the key-value pairs called Map.Entries and stores internally into a set.

hm.entrySet().iterator() returns a iterator

hmIterator.hasNext() checks for the next element in the set and returns a boolean
hmIterator.next() returns the next element(Map.Entry) from the set
.
mapElement.getKey() returns the key of the associated Map.Entr
mapElement.getValue() return the value of the associated Map.

Questions?

Thanks!

Do you have any questions?
m.asjidAyub@gmail.com