Collection Framework

Collection framework is use for store and manipulation the group of objects.

Iterable Interface

It is root interface of collection classes.

It contains only one abstract method - Iterator<T> iterator().

Iterator Interface

It will have functionality it iterat the element in Forword direction only.

It have next(), hasNest(), remove() and forEachRemaining().

Collection Interface

It is child interface of iterable interface.

It is used to represent the group of individual objects as a single unit.

It has some method like add(), addAll(), remove(), removeAll() and so on.

Collections Class

It is utility class which has some method that are used to operate on collections.

It contains only Static method.

List Interface

ArrayList and LinkedList are both the contains duplicate elements.

Both are maintain insertion order.

Both are non-synchronized.

Now ArrayList uses Dyanmic array to store the elments.

And LinkedList uses Doubly LinkedList interbally to store the elements.

ArrayList is Slower than Linked list becose of loats of shifiting is needed.

LinkedList is faster than ArrayList.

We need to use ArrayList when we want to read faster.

And we need to use LinkedList when we want to addistion and remove the elemnts.

ArrayList – Read.

LinkedList – Manipulation

Queue interface

FIFO

PriorityQueue