Collections in Java

The **Collection in Java** is a framework that provides an architecture to store and manipulate the group of objects.

Java Collections can achieve all the operations that you perform on a data such as searching, sorting, insertion, manipulation, and deletion.

Java Collection means a single unit of objects. Java Collection framework provides many interfaces (Set, List, Queue, Deque) and classes ([ArrayList](https://www.javatpoint.com/java-arraylist)

, Vector, [LinkedList](https://www.javatpoint.com/java-linkedlist)

, [PriorityQueue](https://www.javatpoint.com/java-priorityqueue)

, HashSet, LinkedHashSet, TreeSet).

#### **What is Collection in Java**

A Collection represents a single unit of objects, i.e., a group.

#### **What is a framework in Java**

* It provides readymade architecture.
* It represents a set of classes and interfaces.
* It is optional.

#### **What is Collection framework**

The Collection framework represents a unified architecture for storing and manipulating a group of objects. It has:

1. Interfaces and its implementations, i.e., classes
2. Algorithm

### **Hierarchy of Collection Framework**

Let us see the hierarchy of Collection framework. The **java.util** package contains all the [classes](https://www.javatpoint.com/object-and-class-in-java)

and [interfaces](https://www.javatpoint.com/interface-in-java)

for the Collection framework.

