

# Difference between Comparable and Comparator

Comparable and Comparator both are interfaces and can be used to sort collection elements.

But there are many differences between Comparable and Comparator interfaces that are given below.

Comparable	Comparator
1) Comparable provides <b>single sorting sequence</b> . In other words, we can sort the collection on the basis of single element such as id or name or price etc.	Comparator provides <b>multiple sorting sequence</b> . In other words, we can sort the collection on the basis of multiple elements such as id, name and price etc.
2) Comparable <b>affects the original class</b> i.e. actual class is modified.	Comparator <b>doesn't affect the original class</b> i.e. actual class is not modified.
3) Comparable provides <b>compareTo() method</b> to sort elements.	Comparator provides <b>compare() method</b> to sort elements.
4) Comparable is found in <b>java.lang</b> package.	Comparator is found in <b>java.util</b> package.
5) We can sort the list elements of Comparable type by <b>Collections.sort(List)</b> method.	We can sort the list elements of Comparator type by <b>Collections.sort(List,Comparator)</b> method.

[< prev](#)[next >](#)

## Share this page



## Latest 4 Tutorials

