Here’s a summary of **Java 8 Comparator interface** enhancements:

**1. Comparator Interface**

* Located in java.util.
* Used for custom sorting.

**2. New Java 8 Methods**

| **Method** | **Description** |
| --- | --- |
| comparing(Function<T,U>) | Compare by extracted key |
| thenComparing(Function<T,U>) | Chain comparators |
| reversed() | Reverse order |
| naturalOrder() | Sort by natural order |
| reverseOrder() | Sort by reverse natural order |
| nullsFirst(Comparator<T>) | Nulls come first |
| nullsLast(Comparator<T>) | Nulls come last |

**3. Example Usage**

List<Person> people = ...;

people.sort(Comparator.comparing(Person::getName)

    .thenComparing(Person::getAge)

    .reversed());

**Note:**  
Java 8 allows concise, functional-style sorting using method references and lambda expressions with Comparator.