**Topic: Comparable Interface**

**5 Interview Questions**

1) Define Comparable Interface?

->The Comparable interface is used to compare an object of the same class with an instance of that class, it provides ordering of data for objects of the user-defined class. The class has to implement the java. lang.

2) What is the name of the method in comparable interface?

-> In Comparable Interface it has only one method named compareTo(Object o). It is used to implement the natural ordering of collection elements. String and wrapper classes implement Comparableinterface.

3) In which package Comparable Interface is found?

-> Comparable Interface is defined in Java.lang.package.

4) Explain the functionality of compareTo(Object O) method?

-> It compares this class object with the specified object for order & return,  
**a positive integer**, if the **current object is greater than the specified object**.  
**a negative integer**, if the **current object is less than the specified object**.  
**zero**, if the **current object is equal to the specified object**.

5) How Comparable is different from Comparator?

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| **Comparable** | **Comparator** |
| It affects the Entity class. | It creates separate class therefore it does not affect entity class. |
| It uses **compareTo()** method to sort elements | It uses **compare() method** to sort elements. |
| Comparable is present in **java.lang** package. | A Comparator is present in the **java.util** package. |
| We can sort the list elements of Comparable type by **Collections.sort(List)** method. | We can sort the list elements of Comparator type by **Collections.sort(List, Comparator)** method. |
| It provides single sorting sequence. | It provides multiple sorting sequences. |