



Comparable Interface

From Techestop



Introduction

Comparable interface is used to specify the criteria on the basis of which we can compare two class objects. It contains only one abstract method i.e. `compareTo`. The objects of the class can be sorted on the basis of comparable interface implementation.

The syntax of the the only abstract method is as such:

```
int compareTo(T o)
```



Problem Statement

We have a class named Record which is defined as such:

```
class Record{
    int id;
    List<Errors> errorList;

    public int getId(){
        return this.id;
    }

    public void setId(int i){
        this.id = i;
    }

    public List<Errors> getErrorList(){
        return this.errorList;
    }

    public void setErrorList(List<Errors> errorList){
        this.errorList = errorList;
    }
}
```



Problem Statement (Continued)

And we have a class named Errors which is defined as below. And we want to make the Errors class object comparable so that the List of Errors in the Record class can be sorted.

```
class Errors {  
    String errorCode;  
    String errorDescription;  
  
    Errors(String e){  
        errorCode = e;  
    }  
    public String getErrorCode(){  
        return this.errorCode;  
    }  
  
    public void setErrorCode(String ec){  
        this.errorCode = ec;  
    }  
}
```



Thank you