```java
package lab6;

import java.io.Serializable;
/**
 * Creates Employee's to store full name and ID
 *
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 *
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 *
 */

public class Employee implements Serializable{

    private String firstName;
    private String lastName;
    private int id;
    /**
     * Default Employee Constructor
     */
    public Employee() {
        firstName = "";
        lastName = "";
        id = 0;
    }
    /**
     * Normal Employee Constructor
     * @param nFName Employee First Name
     * @param nLName Employee Last Name
     * @param nEmpNum Employee ID Number
     */
    public Employee(String nFName, String nLName, int nEmpNum) {
        firstName = nFName;
        lastName = nLName;
        id = nEmpNum;
    }
    /**
     * Prints out the Employee as a string
     */
    public String toString() {
        return "\nID:" + id + " Name: " + lastName + ", " + firstName + "\nRating:";
    }
    public boolean equals(Employee otherEmp) {
        return (firstName == otherEmp.firstName &&
                lastName == otherEmp.lastName &&
                id == otherEmp.id);
    }
    /**
     * return the employees as sorted
     * @param emp compared employee
     * @return 0 if sorted any number else as not
     */
    public int compareTo(Employee emp)
    {
        if(this.lastName.compareTo(emp.lastName) == 0)
        {
            if(this.firstName.compareTo(emp.firstName) == 0)
            {
                return this.id - emp.id;
            }
            return this.firstName.compareTo(emp.firstName);
        }
        return this.lastName.compareTo(emp.lastName);
    }
    /**
     * Returns the hashCode of the Employee
     */
    public int hashCode() {
        final int HASH_MULTIPLIER = 29;
        int h = HASH_MULTIPLIER * firstName.hashCode() + lastName.hashCode();
        h = HASH_MULTIPLIER * h + ((Integer)id).hashCode();
        return h;
    }

}

```