

JAVA.LANG.ENUM.COMPARETO METHOD

http://www.tutorialspoint.com/java/lang/enum_compareto.htm

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Description

The **java.lang.Enum.compareTo** method compares this enum with the specified object for order. Enum constants are only comparable to other enum constants of the same enum type.

Declaration

Following is the declaration for **java.lang.Enum.compareTo** method

```
public final int compareTo(E o)
```

Parameters

- **o** -- This is the object to be compared.

Return Value

This method returns a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Enum.compareTo method.

```
package com.tutorialspoint;

import java.lang.*;

// enum showing topics covered under Tutorials
enum Tutorials {
    topic1, topic2, topic3;
}

public class EnumDemo {

    public static void main(String args[]) {

        Tutorials t1, t2, t3;

        t1 = Tutorials.topic1;
        t2 = Tutorials.topic2;
        t3 = Tutorials.topic3;

        if(t1.compareTo(t2) > 0) {
            System.out.println(t2 + " completed before " + t1);
        }

        if(t1.compareTo(t2) < 0) {
            System.out.println(t1 + " completed before " + t2);
        }

        if(t1.compareTo(t3) == 0) {
            System.out.println(t1 + " completed with " + t3);
        }
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
topic1 completed before topic2
```

```
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```