

JAVA.UTIL.ENUMSET.COPYOF METHOD

http://www.tutorialspoint.com/java/util/enumset_copyof.htm

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Description

The **java.util.EnumSet.copyOfEnumSet** < E > s method creates an enum set with the same element type as the specified enum set. It contains the same elements *if any*.

Declaration

Following is the declaration for **java.util.EnumSet.copyOf** method

```
public static <E extends Enum<E>> EnumSet<E> copyOf(EnumSet<E> s)
```

Parameters

- **s** -- the enum set from which to initialize this enum set.

Return Value

This method does not return any value.

Exception

- **NullPointerException** -- if s is null

Example

The following example shows the usage of java.util.EnumSet.copyOf method.

```
package com.tutorialspoint;

import java.util.*;

public class EnumSetDemo {

    // create an enum
    public enum Numbers {

        ONE, TWO, THREE, FOUR, FIVE
    };

    public static void main(String[] args) {

        // create a set that contains all Numbers class
        EnumSet<Numbers> set1 = EnumSet.allOf(Numbers.class);

        // print set1
        System.out.println("Set1:" + set1);

        // create a second set which is a copy of set1
        EnumSet<Numbers> set2 = EnumSet.copyOf(set1);

        // print the new set
        System.out.println("Set2:" + set2);

    }
}
```

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

```
Set1:[ONE, TWO, THREE, FOUR, FIVE]
Set2:[ONE, TWO, THREE, FOUR, FIVE]
```

