

JAVA.UTIL.ENUMSET.COPYOF METHOD

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

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Description

The **java.util.EnumSet.copyOfCollection** $\langle E \rangle c$ method creates an enum set initialized from the specified collection.

Declaration

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

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

Parameters

- **c** -- the collection from which to initialize this enum set.

Return Value

This method does not return any value.

Exception

- **IllegalArgumentException** -- if c is not an EnumSet instance and contains no elements
- **NullPointerException** -- if c 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 new collection
        Collection collection = new ArrayList();

        // print the collection
        System.out.println("Collection :" + collection);

        // add two elements in the collection
        collection.add(Numbers.ONE);
        collection.add(Numbers.THREE);

        // create an EnumSet that is a copy of the collection
        EnumSet<Numbers> set = EnumSet.copyOf(collection);

        // print the set
        System.out.println("Set:" + set);

    }
}
```

```
}
```

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

```
Colletion :[ONE, THREE]
```

```
Set:[ONE, THREE]
```

```
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```