

JAVA.UTIL.ENUMSET.OF METHOD

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

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Description

The **java.util.EnumSet.of***first, E... rest* method creates an enum set initially containing the specified elements. This factory, whose parameter list uses the varargs feature, may be used to create an enum set initially containing an arbitrary number of elements, but it is likely to run slower than the overloads that do not use varargs.

Declaration

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

```
public static <E extends Enum<E>> EnumSet<E> of(E first, E... rest)
```

Parameters

- **first** -- an element that the set is to contain initially.
- **rest** -- the remaining elements the set is to contain initially.

Return Value

This method returns an enum set initially containing the specified elements.

Exception

- **NullPointerException** -- if e is null

Example

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

```
/*This example is using a method called main2
to simulate calling the main method using args
from a command line.*/

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 fake list that will be used like args
        Numbers[] list = {Numbers.ONE, Numbers.THREE, Numbers.FOUR, Numbers.FIVE};

        // call the fake main
        main2(list);

    }

    // This is a fake main. This is used as an example
    public static void main2(Numbers[] fakeargs) {

        // create a set
```

```
EnumSet<Numbers> set;  
  
// add first element and the rest of fakeargs  
set = EnumSet.of(Numbers.ONE, fakeargs);  
  
// print the set  
System.out.println("Set:" + set);  
  
}  
}
```

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

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

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