

JAVA.UTIL.VECTOR.COPYINTO METHOD

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

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Description

The **copyIntoObject[]anArray** method is used to copy the components of this vector into the specified array. The item at **index k** in this vector is copied into **component k** of the array. It means the position of elements are same in both the vector and array. The array must be big enough to hold all the objects in this vector otherwise an **IndexOutOfBoundsException** is thrown.

Declaration

Following is the declaration for **java.util.Vector.copyInto** method

```
public void copyInto(Object[] anArray)
```

Parameters

- **anArray** -- This is the array into which the components get copied.

Return Value

Return type is **void** so does not return anything.

Exception

- **NullPointerException** -- if the given array is null.

Example

The following example shows the usage of **java.util.Vector.copyInto** method.

```
package com.tutorialspoint;

import java.util.Vector;

public class VectorDemo {
    public static void main(String[] args) {
        // create an empty Vector vec with an initial capacity of 4
        Vector<Integer> vec = new Vector<Integer>(4);

        Integer anArray[]=new Integer[4];

        anArray[0] = 100;
        anArray[1] = 100;
        anArray[2] = 100;
        anArray[3] = 100;

        // use add() method to add elements in the vector
        vec.add(4);
        vec.add(3);
        vec.add(2);
        vec.add(1);

        // numbers in the array before copy
        System.out.println("Numbers in the array before copy");
        for (Integer number : anArray) {
            System.out.println("Number = " + number);
        }

        // copy into the array
        vec.copyInto(anArray);

        // numbers in the array after copy
```

```
System.out.println("Numbers in the array after copy");
for (Integer number : anArray) {
    System.out.println("Number = " + number);
}
}
```

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

```
Numbers in the array before copy
Number = 100
Number = 100
Number = 100
Number = 100
Numbers in the array after copy
Number = 4
Number = 3
Number = 2
Number = 1
```

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