

JAVA.UTIL.VECTOR.ELEMENTS METHOD

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

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Description

The **elements** method is used to return an enumeration of the components of this vector. The returned Enumeration object will generate all items in this vector at the similar index location.

Declaration

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

```
public Enumeration<E> elements()
```

Parameters

- Does not take any input parameter

Return Value

It returns an enumeration of the components of this vector.

Exception

- NA

Example

The following example shows the usage of java.util.Vector.elements 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);

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

        // adding elements into the enumeration
        Enumeration e=vec.elements();

        // let us print all the elements available in enumeration
        System.out.println("Numbers in the enumeration are :- ");
        while (e.hasMoreElements()) {
            System.out.println("Number = " + e.nextElement());
        }
    }
}
```

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

```
Numbers in the enumeration are :-
Number = 4
Number = 3
Number = 2
Number = 1
```

