

java.util

Interface Enumeration

```
public interface Enumeration
```

An object that implements the Enumeration interface generates a series of elements, one at a time. Successive calls to the `nextElement` method return successive elements of the series.

For example, to print all elements of a vector *v*:

```
for (Enumeration e = v.elements() ; e.hasMoreElements() ;) {  
    System.out.println(e.nextElement());  
}
```

Methods are provided to enumerate through the elements of a vector, the keys of a hashtable, and the values in a hashtable.

Since:

JDK1.0, CLDC 1.0

Version:

12/17/01 (CLDC 1.1)

See Also:

`nextElement()`, `Hashtable`, `Hashtable.elements()`, `Hashtable.keys()`, `Vector`, `Vector.elements()`

Method Summary

Methods

Modifier and Type	Method and Description
boolean	<code>hasMoreElements()</code> Tests if this enumeration contains more elements.
Object	<code>nextElement()</code> Returns the next element of this enumeration if this enumeration object has at least one more element to provide.

Method Detail

hasMoreElements

```
boolean hasMoreElements()
```

Tests if this enumeration contains more elements.

Returns:

`true` if and only if this enumeration object contains at least one more element to provide;
`false` otherwise.

nextElement

```
Object nextElement()
```

Returns the next element of this enumeration if this enumeration object has at least one more element to provide.

Returns:

the next element of this enumeration.

Throws:

`NoSuchElementException` - if no more elements exist.