

JAVA.UTIL.VECTOR.REMOVEELEMENTAT METHOD

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

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Description

The **removeElementAt** method is used to delete the component at the specified index. Each component in this vector with an index greater or equal to the specified index is shifted downward to have an index one smaller than the value it had previously and the size of this vector is decreased by 1.

Declaration

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

```
public void removeElementAt(int index)
```

Parameters

- **index** -- This is the index of the object to be removed.

Return Value

- NA

Exception

- **ArrayIndexOutOfBoundsException** -- This exception is thrown if the index is invalid.

Example

The following example shows the usage of `java.util.Vector.removeElementAt` 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 vec = new Vector(4);

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

        // lets remove element at index 2
        System.out.println("Remove element at index 2");
        vec.removeElementAt(2);

        // let us print all the elements available in vector
        System.out.println("Added numbers are :- ");
        for (Integer number : vec) {
            System.out.println("Number = " + number);
        }
    }
}
```

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

```
Remove element at index 2
Added numbers are :-
```

Number = 4
Number = 3
Number = 1

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