

JAVA.UTIL.VECTOR.SUBLIST METHOD

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

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Description

The **subList** method is used to return a view of the portion of this List between *fromIndex*, inclusive, and *toIndex*, exclusive. The returned List is backed by this List, so changes in the returned List are reflected in this List, and vice-versa.

Declaration

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

```
public List subList(int fromIndex, int toIndex)
```

Parameters

- **fromIndex** -- This is the low endpoint *inclusive* of the subList.
- **toIndex** -- This is the high endpoint *exclusive* of the subList.

Return Value

The method call returns a view of the specified range within this List.

Exception

- **IndexOutOfBoundsException** -- This is thrown if the endpoint index value is out of range
- **IllegalArgumentException** -- This is thrown if the endpoint indices are out of order

Example

The following example shows the usage of **java.util.Vector.subList** 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(8);
        List sublist=new ArrayList(10);

        // use add() method to add elements in the vector
        vec.add(4);
        vec.add(3);
        vec.add(2);
        vec.add(1);
        vec.add(6);
        vec.add(7);
        vec.add(9);
        vec.add(5);

        // lets make a sublist
        sublist=vec.subList(2,6);
        // let us print the size of the vector
        System.out.println("Let us print the list: "+sublist);
    }
}
```

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

Let us print the list: [2, 1, 6, 7]

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