

JAVA.UTIL.ARRAYLIST.GET METHOD

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

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Description

The **java.util.ArrayList.get** method returns the element at the specified position in this list.

Declaration

Following is the declaration for **java.util.ArrayList.get** method

```
public E get(int index)
```

Parameters

- **index** -- The index of the element to return.

Return Value

This method returns the element at the specified position in this list.

Exception

- **IndexOutOfBoundsException** -- if the index is out of range.

Example

The following example shows the usage of java.util.ArrayList.get method.

```
package com.tutorialspoint;

import java.util.ArrayList;

public class ArrayListDemo {
    public static void main(String[] args) {

        // create an empty array list with an initial capacity
        ArrayList<Integer> arrlist = new ArrayList<Integer>(5);

        // use add() method to add elements in the list
        arrlist.add(15);
        arrlist.add(22);
        arrlist.add(30);
        arrlist.add(40);

        // let us print all the elements available in list
        for (Integer number : arrlist) {
            System.out.println("Number = " + number);
        }

        // retrieves element at 4th position
        int retval=arrlist.get(3);
        System.out.println("Retrieved element is = " + retval);
    }
}
```

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

```
Number = 15
Number = 22
Number = 30
Number = 40
```

Retrieved element is = 40

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