

JAVA.UTIL.ARRAYDEQUE.ISEMPTY METHOD

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

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Description

The **java.util.ArrayDeque.isEmpty** method returns **true** if this **deque** contains no **elements**.

Declaration

Following is the declaration for **java.util.ArrayDeque.isEmpty** method

```
public boolean isEmpty()
```

Parameters

- NA

Return Value

This method returns **true** if this deque contains no elements, else **false**.

Exception

- NA

Example

The following example shows the usage of java.util.ArrayDeque.isEmpty method.

```
package com.tutorialspoint;

import java.util.ArrayDeque;
import java.util.Deque;

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

        // create an empty array deque with an initial capacity
        Deque<Integer> deque = new ArrayDeque<Integer>(8);

        // use add() method to add elements in the deque
        deque.add(25);
        deque.add(30);
        deque.add(20);
        deque.add(18);

        boolean retval = deque.isEmpty();
        if (retval == true) {
            System.out.println("deque is empty");
        }
        else {
            System.out.println("deque is not empty");
        }

        // printing all the elements available in deque
        for (Integer number : deque) {
            System.out.println("Number = " + number);
        }
    }
}
```

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

deque is not empty

Number = 25

Number = 30

Number = 20

Number = 18

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