

JAVA.UTIL.ARRAYDEQUE.ADD METHOD

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

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Description

The **java.util.ArrayDeque.addE** method inserts the specified element **E** at the end of the **deque**. This method is equivalent to **addLastE**.

Declaration

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

```
public boolean add(E e)
```

Parameters

- **e** -- The element to be added in the deque.

Return Value

This method returns **true** if given element is added successfully into the deque, otherwise it returns **false**.

Exception

- **NullPointerException** -- if the specified element is **null**.

Example

The following example shows the usage of **java.util.ArrayDeque.addE** 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>(5);

        // use add() method to add elements in the deque
        deque.add(20);
        deque.add(30);
        deque.add(20);
        deque.add(30);
        deque.add(15);
        deque.add(22);
        deque.add(11);

        // let us print 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:

```
Number = 20
Number = 30
```

Number = 20
Number = 30
Number = 15
Number = 22
Number = 11

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