

JAVA.UTIL.ARRAYDEQUE.OFFERFIRST METHOD

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

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Description

The **java.util.ArrayDeque.offerFirst** method inserts the specified element **E** at the front of this deque.

Declaration

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

```
public boolean offerFirst(E e)
```

Parameters

- **e** -- The element to be added at the front.

Return Value

This method returns **true** if the element was added to this deque, else **false**.

Exception

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

Example

The following example shows the usage of **java.util.ArrayDeque.offerFirst** 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);

        // this will insert 10 at the front
        deque.offerFirst(10);

        // 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:

```
Number = 10
Number = 25
Number = 30
Number = 20
```

Number = 18

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