

JAVA.UTIL.ARRAYDEQUE.PUSH METHOD

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

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Description

The **java.util.ArrayDeque.push** method pushes an element **E** onto the stack represented by this **deque**.

Declaration

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

```
public void push(E e)
```

Parameters

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

Return Value

This method does not return any value.

Exception

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

Example

The following example shows the usage of **java.util.ArrayDeque.push** 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(35);

        // adding elements using push() method
        deque.push(10);
        deque.push(15);

        System.out.println("Printing Elements after using push operation:");
        for (Integer number : deque) {
            System.out.println("Number = " + number);
        }
    }
}
```

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

```
Number = 25
Number = 30
Number = 20
Printing Elements after using push operation:
```

Number = 15
Number = 10
Number = 25
Number = 30
Number = 20

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