JAVA.UTIL.ARRAYDEQUE.GETFIRST METHOD

Description

The **java.util.ArrayDeque.getFirst** method retrieves, but does not remove, the **first** element of this **deque**.

Declaration

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

```
public E getFirst()
```

Parameters

- NA

Return Value

This method returns the **head** of this deque.

Exception

- **NoSuchElementException** -- if this deque is **empty**.

Example

The following example shows the usage of java.util.ArrayDeque.getFirst 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(15);
   deque.add(30);
   deque.add(20);
   deque.add(18);

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

   // getFirst() will retrieve element at first(head) position
   int retval = deque.getFirst();
   System.out.println("Retrieved Element is = " + retval);
   }
}
```

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

```
Number = 15
Number = 30
Number = 20
```

```
Number = 18
Retrieved Element is = 15
```