

JAVA.UTIL.PRIORITYQUEUE.POLL METHOD

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

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Description

The **poll** method is used to retrieve and remove the head of this queue, or returns null if this queue is empty.

Declaration

Following is the declaration for **java.util.PriorityQueue.poll** method.

```
public E poll()
```

Parameters

- NA

Return Value

- The method call returns the head of the queue, or null if the queue is empty.

Exception

- NA

Example

The following example shows the usage of `java.util.PriorityQueue.poll`

```
package com.tutorialspoint;

import java.util.*;

public class PriorityQueueDemo {
    public static void main(String args[]) {
        // create priority queue
        PriorityQueue < Integer > prq = new PriorityQueue < Integer > ();

        // insert values in the queue
        for ( int i = 3; i < 10; i++ ){
            prq.add (new Integer (i)) ;
        }

        System.out.println ( "Initial priority queue values are: "+ prq);

        // get the head from the queue
        Integer head = prq.poll();

        System.out.println ( "Head of the queue is: "+ head);

        System.out.println ( "Priority queue values after poll: "+ prq);
    }
}
```

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

```
Initial priority queue values are: [3, 4, 5, 6, 7, 8, 9]
Head of the queue is: 3
Priority queue values after poll: [4, 5, 6, 7, 8, 9]
```

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