

# JAVA.UTIL.PRIORITYQUEUE.COMPARATOR METHOD

[http://www.tutorialspoint.com/java/util/priorityqueue\\_super.htm](http://www.tutorialspoint.com/java/util/priorityqueue_super.htm)

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## Description

The **comparator** method returns the comparator used to order the elements in this queue.

## Declaration

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

```
public Comparator<? super E> comparator()
```

## Parameters

- NA

## Return Value

- The method call returns the comparator used to order this queue, or null if this queue is sorted according to the natural ordering of its elements.

## Exception

- NA

## Example

The following example shows the usage of java.util.PriorityQueue.comparator

```
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
        prq.add(6);
        prq.add(9);
        prq.add(5);
        prq.add(64);
        prq.add(6);

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

        // create comparator
        Comparator comp = prq.comparator();

        System.out.println ( "Comparator value is: "+ comp);
    }
}
```

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

```
Priority queue values are: [5, 6, 6, 64, 9]
Comparator value is: nul
```

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