

JAVA.UTIL.PRIORITYQUEUE.ADD METHOD

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

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Description

The **add** method is used to insert the specified element into a priority queue.

Declaration

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

```
public boolean add(E e)
```

Parameters

- **e** -- The element to be added.

Return Value

- The method call returns true *asspecifiedbyCollection.add(E)*

Exception

- **ClassCastException** -- Throws if the specified element cannot be compared with elements currently in this priority queue according to the priority queue's ordering.
- **NullPointerException** -- Throws if the specified element is null.

Example

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

```
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 = 0; i < 10; i++ ){
            prq.add (new Integer (i)) ;
        }

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

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

```
Priority queue values are: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
```

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