

JAVA.UTIL.PRIORITYQUEUE.TOARRAY METHOD

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

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Description

The **toArray** method is used to return an array containing all of the elements in this queue.

Declaration

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

```
public Object[] toArray()
```

Parameters

- NA

Return Value

- The method call returns an array containing all of the elements in this queue.

Exception

- NA

Example

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

```
package com.tutorialspoint;

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);

        // get objects from the queue
        Object[] arr = prq.toArray();

        System.out.println ( "Value in array: ");

        for ( int i = 0; i<arr.length; i++ ){
            System.out.println ( "Value: " + arr[i].toString()) ;
        }
    }
}
```

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

```
Priority queue values are: [5, 6, 6, 64, 9]
Value in array:
Value: 5
Value: 6
Value: 6
```

Value: 64

Value: 9

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