

CIRCULAR QUEUE BINARY SEARCH

```
package com.wipro;

public class CircularQbinarySearch {

    public static int CircularQbinarySearch(int[] arr, int target) {
        int left = 0;
        int right = arr.length - 1;

        while (left <= right) {
            int mid = left + (right - left) / 2;

            if (arr[mid] == target) {
                return mid;
            }

            if (arr[left] <= arr[mid]) {
                if (target >= arr[left] && target < arr[mid]) {
                    right = mid - 1;
                } else {
                    left = mid + 1;
                }
            } else {
                if (target > arr[mid] && target <= arr[right]) {
                    left = mid + 1;
                } else {
                    right = mid - 1;
                }
            }
        }

        return -1;
    }

    public static void main(String[] args) {
        int[] arr = {10, 15, 20, 0, 5, 7, 9};
        int target = 5;

        int result = CircularQbinarySearch(arr, target);

        if (result != -1) {
            System.out.println("Element " + target + " found at index " + result);
        } else {
            System.out.println("Element " + target + " not found in the array");
        }
    }
}
```

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Form.java web2.xml javascriptjs corrigendum... Vehicle.java Linkedlist_m... CircularQbi... 24
3 public class CircularQbinarySearch {
4
5 public static int CircularQbinarySearch(int[] arr, int target) {
6     int left = 0;
7     int right = arr.length - 1;
8
9     while (left <= right) {
10         int mid = left + (right - left) / 2;
11
12
13         if (arr[mid] == target) {
14             return mid;
15         }
16
17
18         if (arr[left] <= arr[mid]) {
19             if (target >= arr[left] && target < arr[mid]) {
20                 right = mid - 1;
21             } else {
22                 left = mid + 1;
23             }
24         } else {
25             if (target > arr[mid] && target <= arr[right]) {
26                 left = mid + 1;
27             } else {
28                 right = mid - 1;
29             }
30         }
31     }
32 }
33 }
```

com.wipro
CircularQbinarySearch
CircularQbinarySearch(int[], int): int
main(String[]): void

Markers Properties Terminal Console Coverage
<terminated> CircularQbinarySearch [Java Application] C:\Users\Nikita\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.16.0.2.v20210721-1149\jre\bin\javaw.exe (Jun 4, 2024, 10:15)
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