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Java Quick Sort implem  

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
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Haan, main Heap Sort ko Java mein samajh sakta hoon. Heap Sort ek efficient sorting algorithm hai, jisse hum array ko sort kar sakte hain.

Yahan ek example hai Heap Sort implementation ka Java mein:

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```
public class HeapSort {
    public void sort(int[] arr) {
        int n = arr.length;

        // Heap ko build karna
        for (int i = n / 2 - 1; i >= 0; i--)
            heapify(arr, n, i);

        // Heap se ek ek karke element nikalna aur sort karna
        for (int i = n - 1; i >= 0; i--) {
            int temp = arr[0];
            arr[0] = arr[i];
            arr[i] = temp;

            // Heapify remaining elements
            heapify(arr, i, 0);
        }

        // Heap ko maintain karne ke liye
        void heapify(int[] arr, int n, int i) {
            int largest = i;
            int left = 2 * i + 1;
            int right = 2 * i + 2;

            // Left child se bada hai
            if (left < n && arr[left] > arr[largest])
                largest = left;

            // Right child se bada hai
            if (right < n && arr[right] > arr[largest])
                largest = right;

            // Parent se bada hai
            if (largest != i) {
                int swap = arr[i];
                arr[i] = arr[largest];
                arr[largest] = swap;

                heapify(arr, n, largest);
            }
        }

        public static void main(String[] args) {
            int[] arr = { 5, 2, 9, 1, 5, 6 };
            int n = arr.length;

            HeapSort ob = new HeapSort();
            ob.sort(arr);

            for (int i = 0; i < n; i++) {
                System.out.print(arr[i] + " ");
            }
        }
    }
}
```

Is implementation mein, 'sort()' function ko diya gaya array se call kiya jata hai. Pehle heap ko build kiya jata hai, jiske liye 'heapify()' function ka use kiya jata hai. Heapify function, ek parent node ko lekar left aur right child nodes se compare karta hai, aur agar koi child node parent node se bada hota hai, toh un dono nodes ke positions ko swap kar deta hai.

Fir, 'sort()' function, heap se ek ek karke element nikalta hai aur usse array ke end tak shift karta hai, jisse yeh sabhi elements sort ho jate hai. Final sorted array ko print karne ke liye, ek 'for' loop use kiya jata hai.

Yeh implementation Heap Sort ka ek basic example hai, aur isko optimize kiya ja sakta hai taki yeh aur bhi efficient ho sake.

 Regenerate response