

Write an algorithm to depict Merge sort

MERGE_SORT(arr, beg, end)

if beg < end.

set mid = (beg + end)/2.

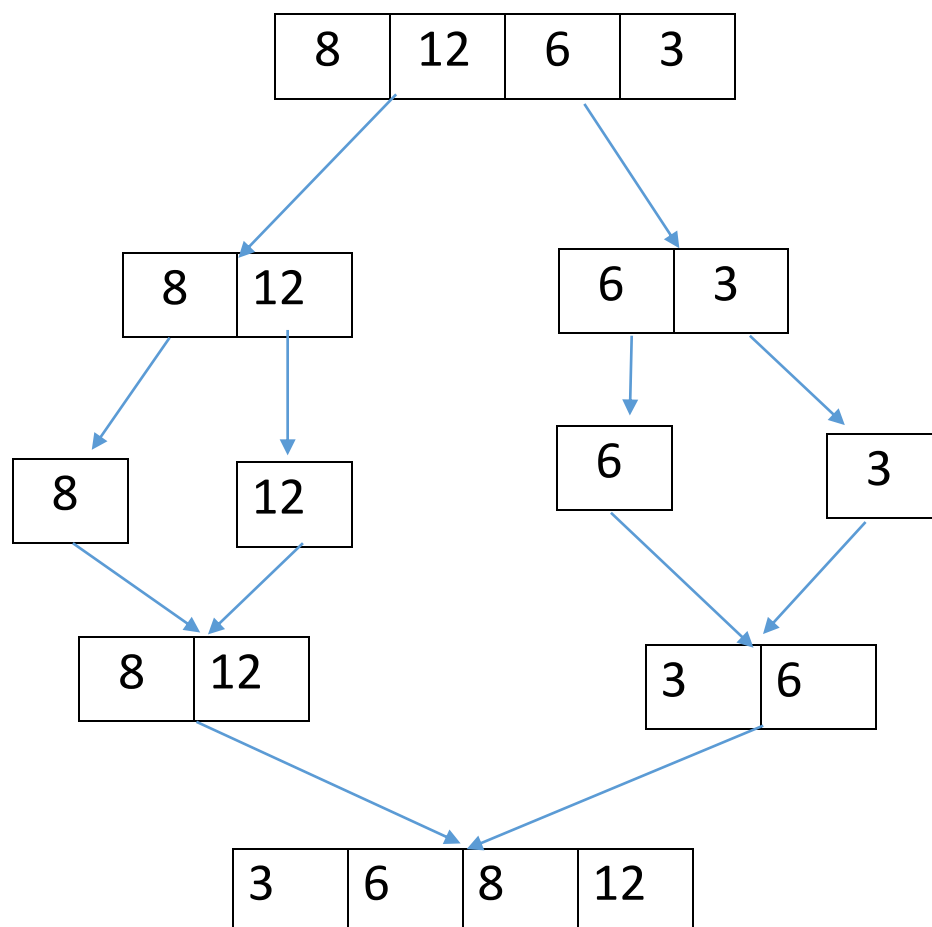
MERGE_SORT(arr, beg, mid)

MERGE_SORT(arr, mid + 1, end)

MERGE (arr, beg, mid, end)

end of if.

END MERGE_SORT.



Step 1. Divide the array into two parts

Step 2. Divide the array into two parts again

Step 3. Break each element into single parts

Step 4. Sort the elements from smallest to largest

Step 5. Merge the divided sorted arrays together

Step 6. The array has been sorted