

# Merge Sort → Divide and Conquer family

concept

8, 3, 4, 12, 5, 6

Divide array into 2 parts

Sort

Sort

Merge

3, 4, 8

5, 6, 12

Steps:-

[3, 4, 5, 6, 8, 12]

- ① Divide array in 2 parts
- ② Get both array sorted via recursive
- ③ Merge in the sorted parts