

Given a list of intervals, write a function to merge them

```
public List<Interval> merge(List<Interval> intervals) {  
    List<Interval> op = new ArrayList<>();  
    if(intervals == null || intervals.size() == 0) return op;  
    Collections.sort(intervals, (Interval a1, Interval a2) -> a1.start - a2.start);  
    Interval curr = intervals.get(0);  
    for(int i = 1; i < intervals.size(); i++){  
        if(intervals.get(i).start <= curr.end){  
            curr.end = Math.max(intervals.get(i).end, curr.end);  
        }  
        else{  
            op.add(curr);  
            curr = intervals.get(i);  
        }  
    }  
    op.add(curr);  
    return op;  
}
```