DAY 41

INTERVIEW BIT PROBLEMS :

1. Merge Overlapping Intervals

Given a collection of intervals, merge all overlapping intervals.
For example:
Given [1,3],[2,6],[8,10],[15,18],
return [1,6],[8,10],[15,18].
Make sure the returned intervals are sorted.

CODE :

PYTHON

```
# Definition for an interval.
# class Interval:
# def __init__(self, s=0, e=0):
# self.start = s
# self.end = e

class Solution:

    # @param intervals, a list of Intervals
    # @return a list of Interval

    def merge(self, I):
        out = []
        I.sort(key=lambda x: x.start)
        for ele in I:
            if not out or out[-1].end < ele.start:
                out.append(ele)
            else:
                out[-1].end = max(out[-1].end, ele.end)
        return out
```