Merge Intervals

Question: Given a collection of intervals, merge all overlapping intervals.

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For example:
Given [1,3],[2,6],[8,10],[15,18],
return [1,6],[8,10],[15,18].
Solutions:
class Interval:
  def __init__(self, s=0, e=0):
    self.start = s
    self.end = e
  def println(self,i):
    print ("[%d ,%d]"%(i.start,i.end))
class Solution:
  #@param intervals, a list of Interval
  #@return a list of Interval
  def merge(self, intervals):
    intervals.sort(key = lambda x:x.start)
    length=len(intervals)
    res=[]
    for i in range(length):
       if res==[]:
         res.append(intervals[i])
       else:
         size=len(res)
```