Merge Intervals

For this problem we need to muge overlapping intervals after sorting them by start time.

[Key Idea: [

1. Test intervals by starting value.

2. Initialize merged array

3, Iterato through intervals;

If merged is empty of current start > merged, back() end, add interval to merged.

· Else, explate merged beck () end = max (merged back) end, current end).

Complexity:

· Time: O(n logn) (sorting dominates)
· Toxce: O(n) for result (can be extinized to O(1) if allowed to modely insect)