

Section I - Brain Teasers (10%)

Given an array of meeting time intervals consisting of start and end times

$[[s_1, e_1], [s_2, e_2], \dots]$ ($s_i < e_i$), please provide a function with implementation by Swift/Kotlin to determine if a person could attend all meetings.

For example,

Input: intervals = $[[0, 30], [5, 10], [15, 20]]$ **Output:** false

Explanation: The person can only attend some meetings because there is an overlap between $[0, 30]$ and $[5, 10]$, and between $[0, 30]$ and $[15, 20]$.

Input: intervals = $[[7, 10], [2, 4]]$ **Output:** true

Explanation: The person can attend all meetings because there is no overlap between $[7, 10]$ and $[2, 4]$.

Input: intervals = $[[1, 5], [8, 9], [8, 10]]$ **Output:** false

Explanation: The person can only attend some meetings because there is an overlap between $[8, 9]$ and $[8, 10]$.

```
var meetingTime1: List<List<Int>> = listOf(listOf(5, 10), listOf(15, 20), listOf(0, 30))
var meetingTime2: List<List<Int>> = listOf(listOf(7, 10), listOf(2, 4))
var meetingTime3: List<List<Int>> = listOf(listOf(1, 5), listOf(8, 10), listOf(8, 9))

fun canAttendMeetings(meetingTime: List<List<Int>>): Boolean {
    //按照开始时间对会议进行排序（即小到大排序）
    var tempMeetingTime = meetingTime.sortedBy { it.first() }
    //遍历会议, 检查每个会议结束时间是否在下个会议的开始时间之内
    for (i in tempMeetingTime.indices) {
        if (i < tempMeetingTime.size - 1) {
            if (tempMeetingTime[i][1] > tempMeetingTime[i + 1][0]) {
                return false
            }
        }
    }
    return true
}
```