

Question #3 (Very Hard) - Test Cases

Test Case #1

```
const intervals = [[1, 3], [2, 6], [8, 10], [15, 18]];
mergeIntervals(intervals)
```

Expected Result #1

```
[[1, 6], [8, 10], [15, 18]]
```

Test Case #2

```
const intervals = [[1, 4], [4, 5]];
mergeIntervals(intervals)
```

Expected Result #2

```
[[1, 5]]
```

Test Case #3

```
const intervals = [[1, 2], [3, 4], [5, 6]];
mergeIntervals(intervals)
```

Expected Result #3

```
[[1, 2], [3, 4], [5, 6]]
```

Test Case #4

```
const intervals = [[1, 10], [2, 3], [4, 5], [6, 7]];
mergeIntervals(intervals)
```

Expected Result #4

```
[[1, 10]]
```

Test Case #5

```
const intervals = [[1, 5]];
mergeIntervals(intervals)
```

Expected Result #5

```
[[1, 5]]
```

Test Case #6

```
const intervals = [[-10, -8], [-6, -3], [-4, 0], [1, 5]];
mergeIntervals(intervals)
```

Expected Result #6

`[[-10, -8], [-6, 0], [1, 5]]`

Test Case #7

`const intervals = [[2, 6], [1, 3], [8, 10], [15, 18], [18, 21]]`

`mergeIntervals(intervals)`

Expected Result #7

`[[1, 6], [8, 10], [15, 21]]`