

Our Solution(s)	Run Code	Your Solutions	Run Code
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Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System;
4 using System.Collections.Generic;
5
6 public class Program {
7     // O(c1 + c2) time | O(c1 + c2) space - where c1 and c2 are the resp
8     public static List<StringMeeting> CalendarMatching(
9         List<StringMeeting> calendar1,
10        StringMeeting dailyBounds1,
11        List<StringMeeting> calendar2,
12        StringMeeting dailyBounds2,
13        int meetingDuration
14    ) {
15        List<Meeting> updatedCalendar1 = updateCalendar(calendar1, dailyBo
16        List<Meeting> updatedCalendar2 = updateCalendar(calendar2, dailyBo
17        List<Meeting> mergedCalendar = mergeCalendars(updatedCalendar1, up
18        List<Meeting> flattenedCalendar = flattenCalendar(mergedCalendar);
19        return getMatchingAvailabilities(flattenedCalendar, meetingDuratio
20    }
21
22    public static List<Meeting> updateCalendar(
23        List<StringMeeting> calendar,
24        StringMeeting dailyBounds
25    ) {
26        List<StringMeeting> updatedCalendar = new List<StringMeeting>();
27        updatedCalendar.Add(new StringMeeting("0:00", dailyBounds.start));
28        updatedCalendar.AddRange(calendar);
29        updatedCalendar.Add(new StringMeeting(dailyBounds.end, "23:59"));
30        List<Meeting> calendarInMinutes = new List<Meeting>();
31        for (int i = 0; i < updatedCalendar.Count; i++) {
32            calendarInMinutes.Add(new Meeting(
33                timeToMinutes(updatedCalendar[i].start),
```

Solution 1 Solution 2 Solution 3

```
1 using System.Collections.Generic;
2
3 public class Program {
4     public static List<StringMeeting> CalendarMatching(
5         List<StringMeeting> calendar1,
6         StringMeeting dailyBounds1,
7         List<StringMeeting> calendar2,
8         StringMeeting dailyBounds2,
9         int meetingDuration
10    ) {
11        // Write your code here.
12        return null;
13    }
14
15    public class StringMeeting {
16        public string start;
17        public string end;
18
19        public StringMeeting(string start, string end) {
20            this.start = start;
21            this.end = end;
22        }
23    }
24 }
25
```

Our Tests

```
1 using System.Collections.Generic;
2
3 public class Program {
4     // O(c1 + c2) time | O(c1 + c2) space - where c1 and c2 are the resp
5     public static List<StringMeeting> CalendarMatching(
6         List<StringMeeting> calendar1,
7         StringMeeting dailyBounds1,
8         List<StringMeeting> calendar2,
9         StringMeeting dailyBounds2,
10        int meetingDuration
11    ) {
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16        return getMatchingAvailabilities(flattenedCalendar, meetingDuratio
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19    public static List<Meeting> updateCalendar(
20        List<StringMeeting> calendar,
21        StringMeeting dailyBounds
22    ) {
23        List<StringMeeting> updatedCalendar = new List<StringMeeting>();
24        updatedCalendar.Add(new StringMeeting("0:00", dailyBounds.start));
25        updatedCalendar.AddRange(calendar);
26        updatedCalendar.Add(new StringMeeting(dailyBounds.end, "23:59"));
27        List<Meeting> calendarInMinutes = new List<Meeting>();
28        for (int i = 0; i < updatedCalendar.Count; i++) {
29            calendarInMinutes.Add(new Meeting(
30                timeToMinutes(updatedCalendar[i].start),
```

Custom Output	Submit Code
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```
1 using System.Collections.Generic;
2
3 public class Program {
4     public static List<StringMeeting> CalendarMatching(
5         List<StringMeeting> calendar1,
6         StringMeeting dailyBounds1,
7         List<StringMeeting> calendar2,
8         StringMeeting dailyBounds2,
9         int meetingDuration
10    ) {
11        // Write your code here.
12        return null;
13    }
14
15    public class StringMeeting {
16        public string start;
17        public string end;
18
19        public StringMeeting(string start, string end) {
20            this.start = start;
21            this.end = end;
22        }
23    }
24 }
25
```

Run or submit code when you're ready.