

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

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

Solution 1

Solution 2

Solution 3

```
1 import java.util.*;
2
3 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        // Write your code here.
11        return null;
12    }
13
14    static class StringMeeting {
15        public String start;
16        public String end;
17
18        public StringMeeting(String start, String end) {
19            this.start = start;
20            this.end = end;
21        }
22    }
23 }
24
```

Our Tests

Custom Output

Submit Code

```
1 import java.util.*;
2
3 class Program {
4     public static List<StringMeeting> calendarMatching(int c1, int c2,
5         List<StringMeeting> calendar1, StringMeeting dailyBounds1,
6         List<StringMeeting> calendar2, StringMeeting dailyBounds2,
7         int meetingDuration) {
8         // Write your code here.
9         return null;
10    }
11
12    static class StringMeeting {
13        public String start;
14        public String end;
15
16        public StringMeeting(String start, String end) {
17            this.start = start;
18            this.end = end;
19        }
20    }
21 }
```

```
1 import java.util.*;
2
3 class Program {
4     public static List<StringMeeting> calendarMatching(int c1, int c2,
5         List<StringMeeting> calendar1, StringMeeting dailyBounds1,
6         List<StringMeeting> calendar2, StringMeeting dailyBounds2,
7         int meetingDuration) {
8         // Write your code here.
9         return null;
10    }
11
12    static class StringMeeting {
13        public String start;
14        public String end;
15
16        public StringMeeting(String start, String end) {
17            this.start = start;
18            this.end = end;
19        }
20    }
21 }
```

