Problem Challenge 1

We'll cover the following

Minimum Meeting Rooms (hard)

Given a list of intervals representing the start and end time of 'N' meetings, find the **minimum number of rooms** required to **hold all the meetings**.

Example 1:

```
Meetings: [[1,4], [2,5], [7,9]]
Output: 2
Explanation: Since [1,4] and [2,5] overlap, we need two rooms to hold these two meetings. [7,
9] can
occur in any of the two rooms later.
```

Example 2:

```
Meetings: [[6,7], [2,4], [8,12]]
Output: 1
Explanation: None of the meetings overlap, therefore we only need one room to hold all meetings.
```

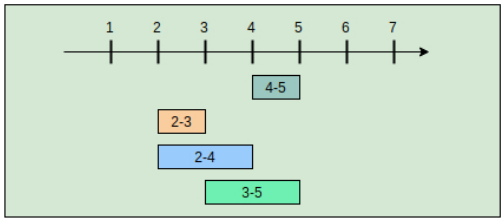
Example 3:

```
Meetings: [[1,4], [2,3], [3,6]]
Output:2
Explanation: Since [1,4] overlaps with the other two meetings [2,3] and [3,6], we need two room
s to
hold all the meetings.
```

Example 4:

```
Meetings: [[4,5], [2,3], [2,4], [3,5]]
Output: 2
Explanation: We will need one room for [2,3] and [3,5], and another room for [2,4] and [4,5].

Here is a visual representation of Example 4:
```



Try it yourself

Try solving this question here:

Java | Python3 | JS | C++

```python
from heapq import *


class Meeting:
  def __init__(self, start, end):
    self.start = start
    self.end = end

def min_meeting_rooms(meetings):
  # TODO: Write your code here
  return -1


def main():
  print("Minimum meeting rooms required: " + str(min_meeting_rooms(
    [Meeting(4, 5), Meeting(2, 3), Meeting(2, 4), Meeting(3, 5)])))
  print("Minimum meeting rooms required: " +
        str(min_meeting_rooms([Meeting(1, 4), Meeting(2, 5), Meeting(7, 9)])))
  print("Minimum meeting rooms required: " +
        str(min_meeting_rooms([Meeting(6, 7), Meeting(2, 4), Meeting(8, 12)])))
  print("Minimum meeting rooms required: " +
        str(min_meeting_rooms([Meeting(1, 4), Meeting(2, 3), Meeting(3, 6)])))
  print("Minimum meeting rooms required: " + str(min_meeting_rooms(
    [Meeting(4, 5), Meeting(2, 3), Meeting(2, 4), Meeting(3, 5)])))


main()

```

Run Save Reset

Back

Conflicting Appointments (medium)

Next

Solution Review: Problem Challenge 1

Completed