

January 2023, CSE 108

Online on Java

Time: 30 minutes
Subsections B1 and B2

In this assignment, you need to extend the already implemented functionalities in your festival management app.

1. You need to output the number of events and details of each event between two dates (inclusive). (the choice input will be 20.)
2. You need to show the scheduled events in chronological order. (The choice input will be 30.)

Hints:

Use the Java String **compareTo()** Method.

The method returns 0 if the string is equal to the other string. A value less than 0 is returned if the string is less than the other string, and a value greater than 0 if the string is greater than the other string.

Example:

```
String myStr1 = "Hello";  
String myStr2 = "Hello";  
System.out.println(myStr1.compareTo(myStr2)); // Returns 0 because  
they are equal
```

See the Sample I/O for further clarification.

Sample I/O

| Input | Output |
|--|---------------------------|
| 1 Hackathon 2023-07-23 ECE Building 60 | Event added successfully! |
| 1 IUPC 2023-07-27 ECE Building 100 | Event added successfully! |

| | |
|--|---|
| 1 Game Jam 2023-07-22 ECE Building 20 | Event added successfully! |
| 1 DL sprint 2023-07-20 ECE Building 50 | Event added successfully! |
| 30 | Events sorted chronologically: DL sprint 2023-07-20 Game Jam 2023-07-22 Hackathon 2023-07-23 IUPC 2023-07-27 |
| 20 2023-07-22 2023-07-25 | Game Jam 2023-07-22 Hackathon 2023-07-23 The total number of events between 2023-07-22 and 2023-07-25 is 2. |
| 20 2023-07-10 2023-07-19 | The total number of events between 2023-07-10 and 2023-07-19 is 0. |
| 9 | Terminating... |