Computer Programming Lab 6

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String.split

String str = "1, 2, 3, 4, 5"

String[] tokens = str.split(", ", 4);

Tokens => {"1", "2", "3", "4, 5"}

String[] tokens2 = str.split(", ", 5);

Tokens => {"1", "2", "3", "4", "5"}

Room Allocation

With an input file having the format below, report rooms where males and females are mixed to an output file. For each room, maximum capacity is 50.

[input file format]

[Total # of rooms]

Room 1: [# of person]

[Person1's Name], [P1's gender]

…

Room Allocation input

[input file ex]

3
Room 1: 3
Jason Borne, Male
Min-gee Lee, Female
Soo-min Kim, Male
Room 2: 0
Room 3: 2
Wonil, Male
Mike, Female

Room Allocation output

[output file, when all rooms satisfy given condition]

Total number of rooms: [# of rooms]

Room 1

Total number of people: [# of people in room]

[Person 1's name]

[Person k's name]

Room 2

…

No problems found.

[output file, otherwise]

Total number of rooms: [# of rooms]
Room 1
Total number of people: [# of people in room]
[Person 1's name]
[Person k's name]
Room 2
…
Problem found in [Room number list]
([Room number list] = [room number i1], [room number i2] …)

1. Room Allocation

[output file ex]

5
Room 1: 3
Jason Borne
Min-gee Lee
Soo-min Kim
Room 2: 0
Room 3: 2
Wonil
Mike
Problems found in 1, 3