## Mentor Group

You are mentor of a group. You have done your job well and now you have to generate a report about your group's activity. You will be given usernames and dates ("***dd/MM/yyyy***"), dates (**if any**) are separated with comma, until you receive command "**end of dates**". After that you will receive user and some comment (separated with dash). You can add comment for every user who is **in** your group(if **not** ignore the line). Adding comment/date to same user more than once should **append** to that user the comment/date. Upon receiving command "**end of comments**" you should generate report in format:

|  |
| --- |
| {user}  Comments:  - {firstComment} …  Dates attended:  -- {firstDate}  -- {secondDate} |

Users should be printed ordered by name (ascending). For every user, their dates should be sorted again in ascending order. Input will be valid and in the format described - you should **not check** it explicitly!

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| nakov 22/08/2016,20/08/2016  simeon10 22/08/2016  end of dates  nakov-Excellent algorithmetic thinking.  Gesh4o-Total noob.  end of comments | nakov  Comments:  - Excellent algorithmetic thinking.  Dates attended:  -- 20/08/2016  -- 22/08/2016  simeon10  Comments:  Dates attended:  -- 22/08/2016 | Not that simeon10 has no comments but we still leave the comments section. User Gesh4o does not have attendancy date so he is not registered in your group therefore he is not a part from the report. |