

Julia conducted a 15-days of learning SQL contest. The start date of the contest was *March 01, 2016* and the end date was *March 15, 2016*.

Write a query to print total number of unique hackers who made at least 1 submission each day (starting on the first day of the contest), and find the *hacker\_id* and *name* of the hacker who made maximum number of submissions each day. If more than one such hacker has a maximum number of submissions, print the lowest *hacker\_id*. The query should print this information for each day of the contest, sorted by the date.

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### Input Format

The following tables hold contest data:

- *Hackers*: The *hacker\_id* is the id of the hacker, and *name* is the name of the hacker.

Column	Type
<i>hacker_id</i>	Integer
<i>name</i>	String

- *Submissions*: The *submission\_date* is the date of the submission, *submission\_id* is the id of the submission, *hacker\_id* is the id of the hacker who made the submission, and *score* is the score of the submission.

Column	Type
<i>submission_date</i>	Date
<i>submission_id</i>	Integer
<i>hacker_id</i>	Integer
<i>score</i>	Integer

### Sample Input

For the following sample input, assume that the end date of the contest was *March 06, 2016*.

*Hackers* Table:

hacker_id	name
15758	Rose
20703	Angela
36396	Frank
38289	Patrick
44065	Lisa
53473	Kimberly
62529	Bonnie
79722	Michael

*Submissions* Table:

submission_date	submission_id	hacker_id	score
2016-03-01	8494	20703	0
2016-03-01	22403	53473	15
2016-03-01	23965	79722	60
2016-03-01	30173	36396	70
2016-03-02	34928	20703	0
2016-03-02	38740	15758	60
2016-03-02	42769	79722	25
2016-03-02	44364	79722	60
2016-03-03	45440	20703	0
2016-03-03	49050	36396	70
2016-03-03	50273	79722	5
2016-03-04	50344	20703	0
2016-03-04	51360	44065	90
2016-03-04	54404	53473	65
2016-03-04	61533	79722	45
2016-03-05	72852	20703	0
2016-03-05	74546	38289	0
2016-03-05	76487	62529	0
2016-03-05	82439	36396	10
2016-03-05	90006	36396	40
2016-03-06	90404	20703	0

**Sample Output**

2016-03-01 4 20703 Angela  
2016-03-02 2 79722 Michael  
2016-03-03 2 20703 Angela  
2016-03-04 2 20703 Angela  
2016-03-05 1 36396 Frank  
2016-03-06 1 20703 Angela

### Explanation

On *March 01, 2016* hackers `,` `,` and  made submissions. There are  unique hackers who made at least one submission each day. As each hacker made one submission,  is considered to be the hacker who made maximum number of submissions on this day. The name of the hacker is *Angela*.

On *March 02, 2016* hackers `,` `,` and  made submissions. Now  and  were the only ones to submit every day, so there are  unique hackers who made at least one submission each day.  made  submissions, and name of the hacker is *Michael*.

On *March 03, 2016* hackers `,` `,` and  made submissions. Now  and  were the only ones, so there are  unique hackers who made at least one submission each day. As each hacker made one submission so  is considered to be the hacker who made maximum number of submissions on this day. The name of the hacker is *Angela*.

On *March 04, 2016* hackers `,` `,` and  made submissions. Now  and  only submitted each day, so there are  unique hackers who made at least one submission each day. As each hacker made one submission so  is considered to be the hacker who made maximum number of submissions on this day. The name of the hacker is *Angela*.

On *March 05, 2016* hackers `,` `,` and  made submissions. Now  only submitted each day, so there is only  unique hacker who made at least one submission each day.  made  submissions and name of the hacker is *Frank*.

On *March 06, 2016* only  made submission, so there is only  unique hacker who made at least one submission each day.  made  submission and name of the hacker is *Angela*.