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The Report

locked

Problem

Submissions

Leaderboard

Discussions

You are given two tables: *Students* and *Grades*. *Students* contains three columns *ID*, *Name* and *Marks*.

Column	Type
<i>ID</i>	<i>Integer</i>
<i>Name</i>	<i>String</i>
<i>Marks</i>	<i>Integer</i>

Grades contains the following data:

Grade	Min_Mark	Max_Mark
1	0	9
2	10	19
3	20	29
4	30	39
5	40	49
6	50	59
7	60	69
8	70	79
9	80	89
10	90	100

Ketty gives *Eve* a task to generate a report containing three columns: *Name*, *Grade* and *Mark*. *Ketty* doesn't want the NAMES of those students who received a grade lower than 8. The report must be in descending order by grade -- i.e. higher grades are entered first. If there is more than one student with the same grade (8-10) assigned to them, order those particular students by their name alphabetically. Finally, if the grade is lower than 8, use "NULL" as their name and list them by their grades in descending order. If there is more than one student with the same grade (1-7) assigned to them, order those particular students by their marks in ascending order.

Write a query to help Eve.

Sample Input

<i>ID</i>	<i>Name</i>	<i>Marks</i>
1	Julia	88
2	Samantha	68
3	Maria	99
4	Scarlet	78
5	Ashley	63
6	Jane	81

Sample Output

```

Maria 10 99
Jane 9 81
Julia 9 88
Scarlet 8 78
NULL 7 63
NULL 7 68

```

Note

Print "NULL" as the name if the grade is less than 8.

Explanation

Consider the following table with the grades assigned to the students:

<i>ID</i>	<i>Name</i>	<i>Marks</i>	<i>Grade</i>
1	Julia	88	9
2	Samantha	68	7
3	Maria	99	10
4	Scarlet	78	8
5	Ashley	63	7
6	Jane	81	9

So, the following students got 8, 9 or 10 grades:

- Maria (grade 10)
- Jane (grade 9)
- Julia (grade 9)
- Scarlet (grade 8)

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Submissions: 16
 Max Score: 20
 Difficulty: Medium

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MySQL



```
1 SELECT CASE WHEN g.grade < 8
2 THEN NULL ELSE s.name END AS name, g.grade, s.marks
3 FROM students AS s
4 INNER JOIN grades AS g
5 ON s.marks BETWEEN g.min_mark AND g.max_mark
6 ORDER BY g.grade DESC, s.name;
7
8
```

Line: 8 Col: 1

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Run Code

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