

THE REPORT

TASK:

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

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

Grades contains the following data:

<i>Grade</i>	<i>Min_Mark</i>	<i>Max_Mark</i>
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)*

SOLUTION:

```

SELECT
CASE
    WHEN gd.Grade > 7 THEN st.Name
    ELSE NULL
END AS Name,
gd.Grade,
st.Marks
FROM
    students st
    INNER JOIN grades gd
    ON st.Marks BETWEEN gd.Min_Mark AND gd.Max_Mark
ORDER BY
    gd.Grade DESC,
```

```
CASE
    WHEN gd.Grade > 7 THEN st.Name
    ELSE NULL
END Asc,
CASE
    WHEN gd.Grade < 8 THEN st.Marks
    ELSE NULL
END Asc;
```

SUBMISSION:

Congratulations

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✔ Test case 0

Compiler Message

Success

Input (stdin)

1 INPUT

Expected Output

1 Britney 10 95
2 Heraldo 10 94
3 Julia 10 96
4 Kristeen 10 100
5 Stuart 10 99
6 Amina 9 89

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