**Question Title**

5. Consider the following problem  
  
Two tables are provided: **Students** and **Notes**.  
  
**Students** contains three columns: ID, Name and Value.

|  |  |
| --- | --- |
| Coluna | **Tipo** |
| ID | Integer |
| Name | String |
| Value | Integer |

The table**Notes** contains three Integers columns: Grade, Min\_Value and Max\_Value filled according example bellow:

|  |  |  |
| --- | --- | --- |
| Grade | **Min\_Value** | **Max\_Value** |
| 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 |

Joana gives Eva the task of generating a report containing three columns: Name, Grade and Value. Joana does not want the names of students who received a grade lower than 8. The report must be in descending order by grade, that is, the highest grades are inserted first. If there are more than one student with the same grade (8-10) assigned to them, sort those students in particular by their names in alphabetical order. Finally, if the grade is less than 8, use "NULL" as the name and list them in grades in descending order. If there are more than one student with the same grade (1-7) assigned to them, sort those students in particular by their grades in ascending order.  
  
Write an **SQL query** to help Eva.  
  
Input example

|  |  |  |
| --- | --- | --- |
| **ID** | Name | Value |
| 1 | Julia | 81 |
| 2 | Carol | 68 |
| 3 | Maria | 99 |
| 4 | Andreia | 78 |
| 5 | Jaqueline | 63 |
| 6 | Marcela | 88 |

**Output example**

|  |
| --- |
| **Maria 10 99 Marcela 9 88 Julia 9 81 Andreia 8 78 NULL 7 63 NULL 7 68** |

**Note:** Print "NULL" in the name if the grade is less than 8.  
  
**Explanation**  
Consider the following table with the grades assigned to students:

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | Name | Value | Grade |
| 1 | Julia | 81 | 9 |
| 2 | Carol | 68 | 7 |
| 3 | Maria | 99 | 10 |
| 4 | Andreia | 78 | 8 |
| 5 | Jaqueline | 63 | 7 |
| 6 | Marcela | 88 | 9 |

Thus, the following students obtained grades 8, 9 or 10:  
Mary (10)  
Marcela (9)  
Julia (9)  
Andreia (8)