SQL Schema

Table: Teams

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| Column Name | Type |

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| team\_id | int |

| team\_name | varchar |

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team\_id is the primary key of this table.

Each row of this table represents a single football team.

Table: Matches

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| Column Name | Type |

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| match\_id | int |

| host\_team | int |

| guest\_team | int |

| host\_goals | int |

| guest\_goals | int |

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match\_id is the primary key of this table.

Each row is a record of a finished match between two different teams.

Teams host\_team and guest\_team are represented by their IDs in the teams table (team\_id) and they scored host\_goals and guest\_goals goals respectively.

You would like to compute the scores of all teams after all matches. Points are awarded as follows:

* A team receives three points if they win a match (Score strictly more goals than the opponent team).
* A team receives one point if they draw a match (Same number of goals as the opponent team).
* A team receives no points if they lose a match (Score less goals than the opponent team).

Write an SQL query that selects the **team\_id**, **team\_name** and **num\_points** of each team in the tournament after all described matches. Result table should be ordered by **num\_points** (decreasing order). In case of a tie, order the records by **team\_id** (increasing order).

The query result format is in the following example:

Teams table:

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| team\_id | team\_name |

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| 10 | Leetcode FC |

| 20 | NewYork FC |

| 30 | Atlanta FC |

| 40 | Chicago FC |

| 50 | Toronto FC |

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Matches table:

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| match\_id | host\_team | guest\_team | host\_goals | guest\_goals |

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| 1 | 10 | 20 | 3 | 0 |

| 2 | 30 | 10 | 2 | 2 |

| 3 | 10 | 50 | 5 | 1 |

| 4 | 20 | 30 | 1 | 0 |

| 5 | 50 | 30 | 1 | 0 |

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Result table:

+------------+--------------+---------------+

| team\_id | team\_name | num\_points |

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| 10 | Leetcode FC | 7 |

| 20 | NewYork FC | 3 |

| 50 | Toronto FC | 3 |

| 30 | Atlanta FC | 1 |

| 40 | Chicago FC | 0 |

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