**MIS Homework 2: MySQL(9/26/2025)**

**Question 1)**

Based on the sports league database, create a MySQL database:

* Database name: sports
* Import data from CSV to MySQL into the following tables:

**Question 2)**

Write SQL queries that display the following information:

Query 1) Show the first names, last names, and phone numbers of all players with skill level “A,” followed by their team nicknames. Sort the results alphabetically first by team nickname and then by player last name.

**select p.FirstName, p.LastName, p.PhoneNumber, t.Nickname as TeamNickname**

**from PLAYER p**

**join TEAM t on p.TeamID = t.TeamID**

**where p.Rating = 'A'**

**order by t.Nickname ASC, p.LastName ASC;**

Query 2) Show the nicknames and number of players for all teams with at least three players, sorted alphabetically by team nickname.

**select t.Nickname, COUNT(\*) as NumPlayers**

**from PLAYER p**

**join TEAM t on p.TeamID = t.TeamID**

**group by t.TeamID, t.Nickname**

**having COUNT(\*) >= 3**

**order by t.Nickname ASC;**

Query 3) Create a query producing a list of team IDs and nicknames, with a count of their players whose ranking is either “A” or “B.”

**select t.TeamID, t.Nickname, COUNT(\*) as NumABPlayers**

**from PLAYER as p**

**join TEAM t on p.TeamID = t.TeamID**

**where p.Rating in ('A','B')**

**group by t.TeamID, t.Nickname**

**having COUNT(\*) > 0**

**order by NumABPlayers DESC, t.Nickname ASC;**

We want one count per team, including all players who have either ranking. The results should appear sorted by the number of such players, with the largest number of players first. Teams with the same number of such players should be listed in alphabetical order by nickname. If a team has no “A” or “B” rated players, it need not appear.

Query 4) Show FirstName, LastName of all coaches along with team nicknames for each coach, sorted by coach last name.

**select c.FirstName, c.LastName, t.Nickname as TeamNickname**

**from COACH as c**

**left join TEAM t on c.TeamID = t.TeamID**

**order by c.LastName ASC, c.FirstName ASC;**

Query 5) Create a query that shows the ID and nickname of each team, along with the number of coaches assigned to it as NumCoaches. Show the result even for teams with no coaches.

**select t.TeamID, t.Nickname, COUNT(c.CoachID) as NumCoaches**

**from TEAM as t**

**left join COACH c on c.TeamID = t.TeamID**

**group by t.TeamID, t.Nickname**

**order by t.TeamID ASC;**

**Submission guidelines:**

* Submit your MySQL file as **sports\_lastname\_firstname.sql** on Canvas.
* Rename **HW42eport.docx** as **HW2Report\_lastname\_firstname.docx**, complete the report by pasting the SQL statement for each query, and submit it on Canvas along with your MySQL file.