

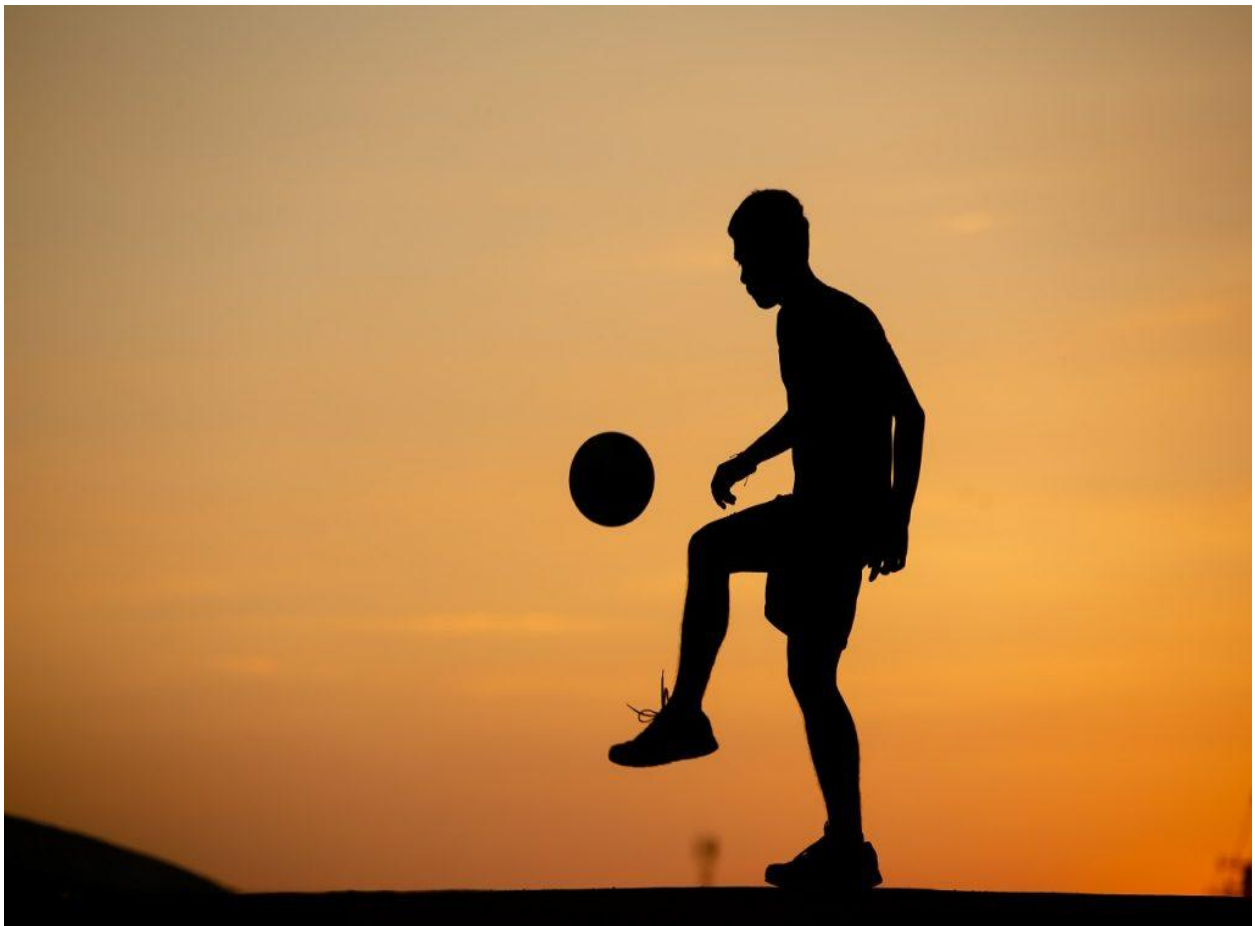
Sports Database

Deadline: Friday 9/26/2025

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Requirements:

- ERD
- Mapping
- Implement Using SQL (Create tables and Insert Data 5 Rows)
- **Answer Questions using SQL from your data**



Sports Database Description

The Sports Database manages information about clubs, players, coaches, referees, tournaments, matches, and player statistics.

Each **club** stores data such as its name, club_id, city, country, founded_year, and stadium_name.

A club **must** have many **player**, and each player belongs to exactly one club.

A club **may** have more than one coach, but a coach **must** work for one club at a time.

For **coaches**, the database stores attributes such as full name, coach_id, nationality, years of experience, and role.

Each **player** has attributes including full_name, Player_id, date of birth, nationality, playing position, jersey_number, salary, Player_image (url), and contract end date.

A player **must** belong to a club, and **may** participate in many **matches** over time.

Tournaments(بطولات) contain attributes such as name, T_ID, type, season, and host_country.

A tournament **must** consist of at least one match, while each match **must** belong to exactly one tournament.

Every **match** records the match date, Match_id, venue, attendance, home_team, away_team, and final_result.

A match **must** involve two different clubs, and each club **may** participate in many matches across different tournaments.

Each **referee** has attributes such as refere_id, name, nationality, and years of experience.

A referee **may** oversee many matches, but every match **must** be supervised by at least one referee and referee **role** (Main, Assistant, VAR ...) attribute must be recorded.

The database also captures **player statistics** for each match, including goals, assists, yellow cards, red cards, and minutes played.

These statistics connect players and matches: every player **may** have statistics in many matches, and every match **may** include statistics for multiple players.

By combining these entities, attributes, and relationships, the Sports Database ensures a clear structure:

clubs with their players and coaches, tournaments with their matches, referees with their assignments, and detailed statistics linking players to their performances in matches.

Objectives

- **Centralize and organize data on clubs, players, coaches, referees, tournaments, and matches.**
- **Enable quick access to information for reporting and analysis.**
- **Track player performance through detailed match statistics.**
- **Maintain accurate historical records of competitions.**

Scope

The database focuses on managing essential sports information:

clubs with their members, tournaments with matches, referees with their assignments, and player performance data.

It supports current and historical records for analysis but does not include areas such as ticketing, merchandising, or broadcasting.

Answer this question from your database after inserting data:

- 1. Retrieve the names of all clubs located in Egypt**
- 2. List the full names and positions of all players who play for a specific club (e.g., "Al Ahly")**
- 3. Find all coaches with more than 4 years of experience**
- 4. Show the details of matches that were played in 2024**
- 5. Retrieve the referee names who have overseen more than 5 matches**
- 6. Display the top 5 players with the highest total goals scored across all matches**
- 7. List the names of tournaments hosted in Saudi Arabia**
- 8. For each club, count the number of players registered**
- 9. Find the match (date, venue, result) with the highest attendance**
- 10. For each player, calculate their average minutes played per match**