



Sheet 6

Q1) Given the following ER-diagram for a database of keeping track of the teams and games of a sports league (كرة الخماسية futsal), convert it to relational model and insert the following data.

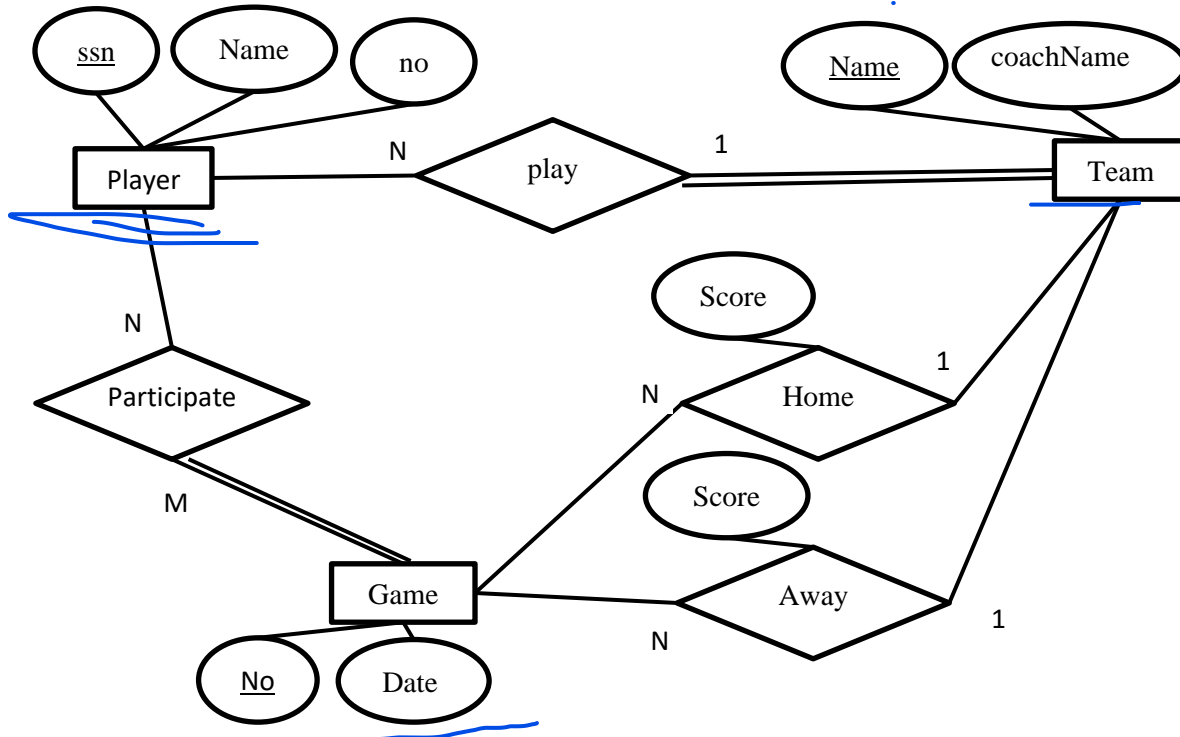
Teams (coach name): {(player number, player name)}

Zamalek (Moemen) : (1,Shenawy), (4,Gaber), (7,Emam), (8, Kofy), (17,Bassem), (22, Maher).

Ismaily (Gresha) : (1, Sobhy), (5, Fathy),(9,Eki),(12,Hosssni), (19,Torik), (26,Magde).

Al Ahly (Badry) : (1, Ekramy),(4. Ramy),(8. Moemen),(11,Waleed),(15,Maleek),(22. Saleh).

Al Masry (Hossam) : (1,Fathy), (2,Welsson), (7,Osama), (12,Ayman), (19, Mussa), (22, Tarek).



There are 5 Games;

Game No. Date: Home Team (player numbers) and Away Team (player numbers) → scores

Game 1,2010-10-02: Al Ahly (1,4,8,11,22) and Ismaily (1,5, 9,12,19) → (3-1)

Game 2,2010-10-09: Al Masry (1,2, 7,12,19) and Al Ahly (1,4,8,11,22) → (2-5)

Game 3, 2010-10-16: Ismaily (1,5, 9,12,19) and Zamalek (1,4,7,8,22) → (4-4)

Game 4, 2010-10-23: Zamalek (1,4,7,8,22) and Ismaily (1,5, 9,12,19) → (5-1)

Then write the SQL statement for each of the following queries:

1. a name and number of each player.
2. A name and number of each player whose number between 5 and 15.
3. A name and number of each player whose name contains a characters ss.
4. a name of each player and his team name.
5. Retrieve a name and team name of each player wears shirt number 22.
6. Retrieve a name of each home team that won a game.
7. Add to the result of query 6 the name of each player that participated in a winner home team.

[Hint: after finishing answer the sheet, create a view for each query by writing the following query in the sql editor]

- **create view view1 as (SELECT * FROM player)**
- or go to the views on MySQL workbench, right click, create view, then write your query.

Very important note, you can write a query based on a stored view such as

SELECT name FROM view1.