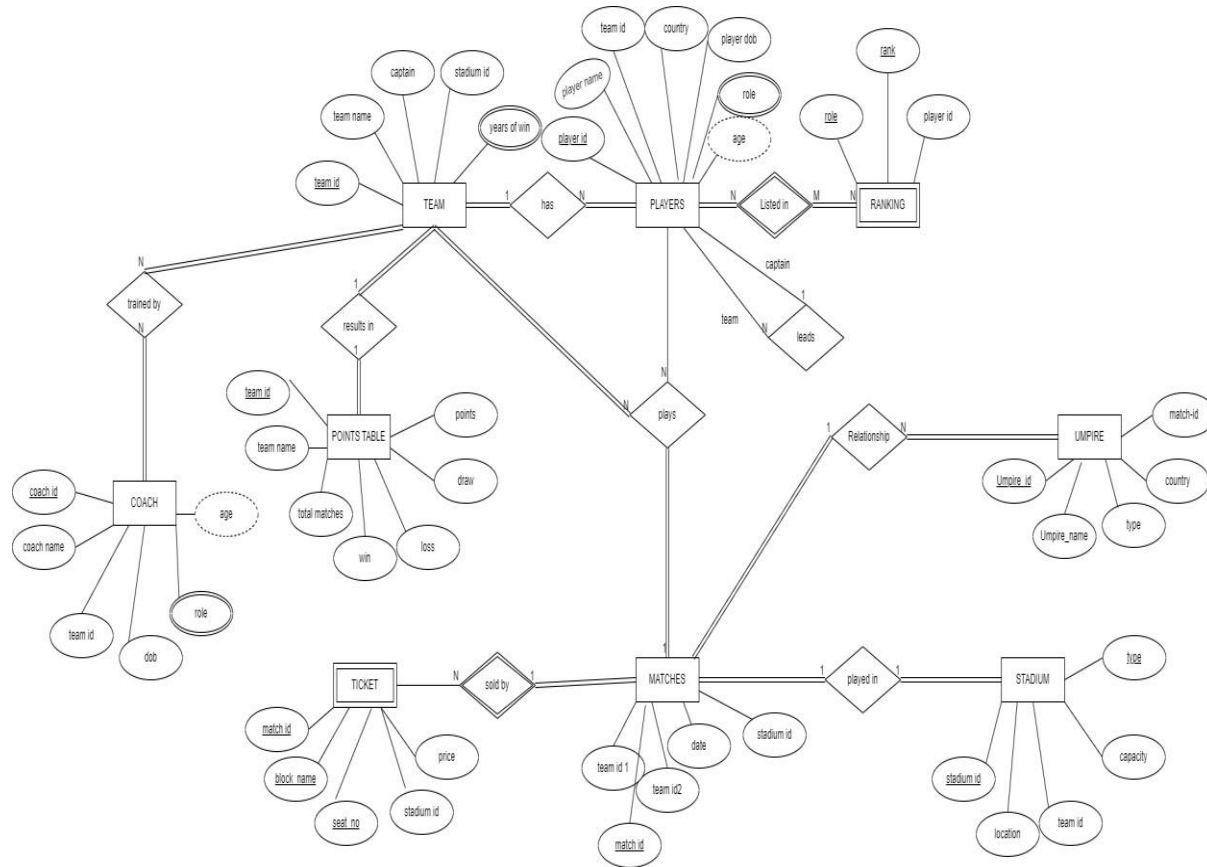
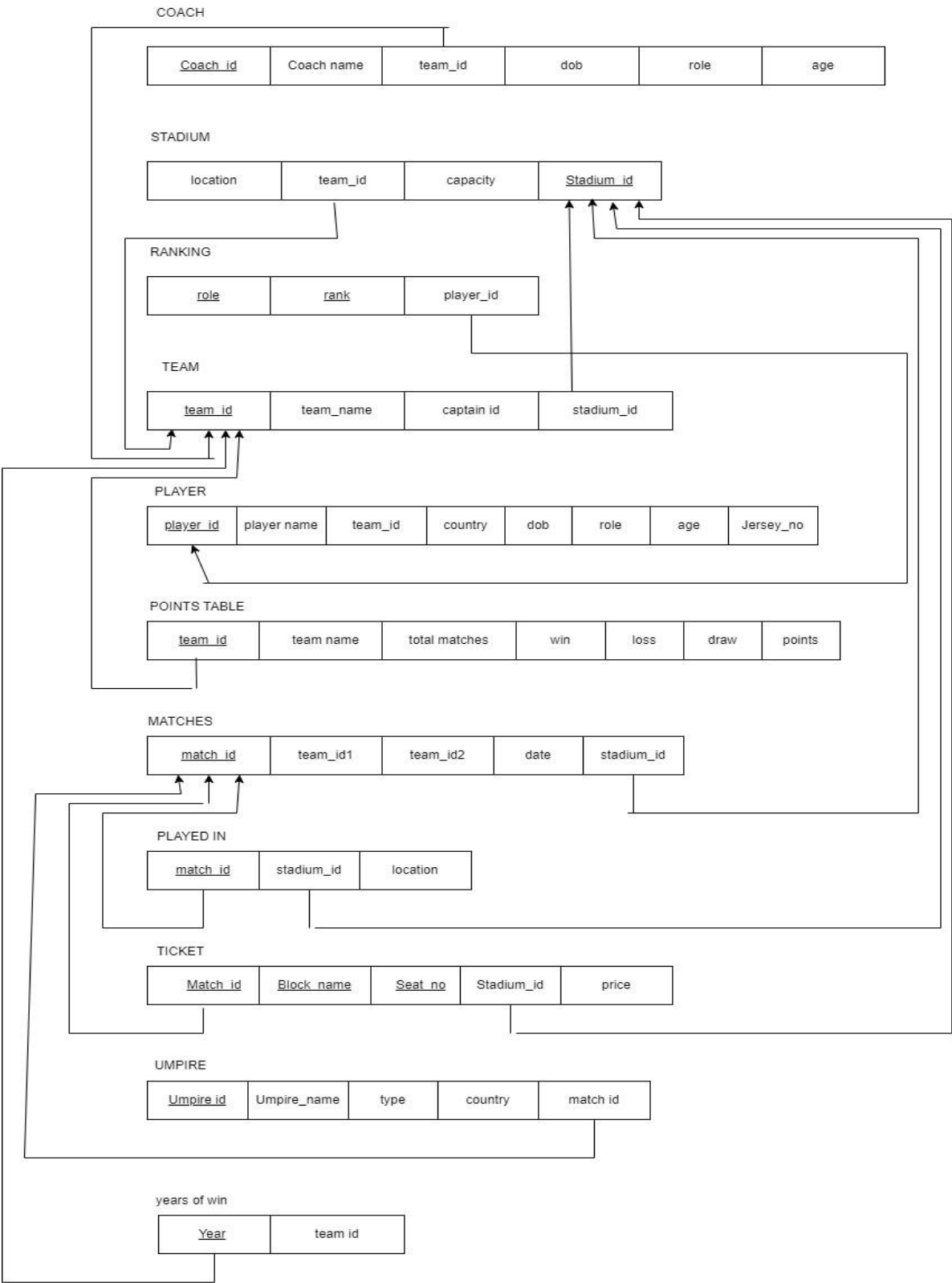


ER Diagram:

The E-R diagram is given below



RELATIONAL SCHEMA



TASK 1:

For the given ER diagram, Relational schema, and the constraints described in the description, execute the DDL commands for making the Cricket League database system.

Make sure that all the constraints are taken into consideration.

- Create a **new database or schema** for doing this task:

TASK 2:

For each of the questions, the required explanation as to why you have selected that approach is to be specified. Along with this the screenshots also shall be taken as given in the sample above.

Questions:

1. In the Cricket League Management System database, the team management has realized that the maximum allowed age for players should be adjusted due to changes in league rules. They want to modify the existing check constraint on the 'DateOfBirth' column of the 'Player' table to enforce a maximum age of 35 years instead of the current 40 years. The management is curious about the process of modifying existing constraints and the impact of this change on the validity of the stored data.
2. Rename the table rankings to player_Ranking and make sure that the column "rank" appears before the player_ID.
3. In the Cricket League Management System database, the management is aware of the importance of accurate player data and wants to prevent any discrepancies caused by missing or incomplete birthdate information. To ensure that birthdays are always recorded for players, the management is considering adding a constraint to the 'Player' table.
4. In the Cricket League Management System database, since not every player in the player table will be in playing 11 so in order to access who is playing and who is not the management has decided to create one more column in the player table which says whether a player is playing or not
5. In the Cricket League Management System database, the management is considering how to handle situations when a team is dissolved. They want to ensure that if a team is deleted from the 'Team' table, all associated player records should also be removed automatically to maintain data integrity. Implement this using the ON DELETE CASCADE constraint.