

# DATABASE PROJECT PART-1

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## INTRODUCTION:

Football, often known as soccer, is the most popular sport in the world, with more people following it than any other sport. This sport has developed to the point where it has become a corporate enterprise, with many clubs signing high-performing players and advertising the sport as a brand. In order to have an organized and well-documented approach to the game, statistics on the teams, players, events, and so on must be kept.

## DATASET:

The dataset contains the data about goal details, player details, coach, referee details. On top of that we can get the detailed data about type of goals, substituted players, missed goals, win-lose or draw status, goal difference etc. Tables from dataset are:

- goal\_details
- match\_mast
- penalty\_shootout
- penalty\_gk
- player\_in\_out
- match\_details
- soccer\_country
- soccer\_city
- soccer\_venue
- soccer\_team
- match\_captain
- player\_mast
- playing\_position
- player\_booked
- referee\_mast
- coach\_mast
- asst\_referee\_mast
- team\_coaches

Reference Dataset and relatable links:

1. <https://github.com/GirrajMaheshwari/Soccer-Database-Project>
2. <https://www.w3resource.com/sql-exercises/soccer-database-exercise/index.php>
3. <https://github.com/Vitosh/DataBases/blob/master/Others/Create-Football-Database-SQL-Server.sql>
4. <https://www.kaggle.com/datasets/hugomathien/soccer?resource=download>

### QUESTIONS:

1. Determine the amount of penalty goals scored in the league using the goal\_details table.
2. Find the match no, date of play of a match that had 67 sec stoppage time in the first half of play. Return the game number, date of play, and goal scored.
3. Count the number of penalty shootout shots taken.
4. Create a query to show the number of shots missed in penalty.
5. Create a query to count the number of matches that finished with a win in the 'Round of 16'.
6. Create a query to find the player's name who scored most goals in penalty.
7. Write a query to display the number of players replaced in extra time of the match.
8. Write a query to find the 2nd highest stoppage time which have been added in the 2nd half of play.
9. Create a query to find the captains of the top four teams.
10. Create a query to find the player from each team that wears jersey number 10.

### **goal\_details table:**

id	goal_id	match_no	player_id	team_id	goal_time	goal_type	play_stage	goal_schedule	goal_half
1	1	1	160159	1207	57	N	G	NT	2
2	2	1	160368	1216	65	P	G	NT	2
3	3	1	160154	1207	89	N	G	NT	2
4	4	2	160470	1221	5	N	G	NT	1
5	5	3	160547	1224	10	N	G	NT	1
6	6	3	160403	1218	61	N	G	NT	2
7	7	3	160550	1224	81	N	G	NT	2
8	8	4	160128	1206	73	N	G	NT	2
9	9	4	160373	1217	93	N	G	ST	2
10	10	5	160084	1204	41	N	G	NT	1

match\_details table:

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id	match_no	play_stage	team_id	win_lose	decided_by	goal_score	penalty_score	ass_ref	player_gk
1	1	G	1207	W	N	2		80016	160140
2	1	G	1216	L	N	1		80020	160348
3	2	G	1201	L	N	0		80003	160001
4	2	G	1221	W	N	1		80023	160463
5	3	G	1224	W	N	2		80031	160532
6	3	G	1218	L	N	1		80025	160392
7	4	G	1206	D	N	1		80008	160117
8	4	G	1217	D	N	1		80019	160369
9	5	G	1222	L	N	0		80011	160486