Final Project Part I: Domain Description and Data Source

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Introduction: The domain of this database will be based on Indian Premier League (IPL). **IPL**, is a professional Twenty20 cricket league in India, established in 2008, which is contested during April and May of every year by 8 teams representing Indian cities and some states. However, since it's foundation there have been total 13 teams in IPL (Some of them dissolved or terminated later due to various reasons). Each team plays each other twice in a home-and-away round-robin format. It is the most-attended cricket league in the world.

Dataset Description: There have been total 11 seasons of IPL tournament. The database will consist of relations like (might vary at the time of implementation):

1) Player details (name, id, DOB, batting skill, bowling skill….)
2) Match details (match id, date of match played, venue…)
3) Season details (season id, season year, man of the series id..)
4) Team details (team id, team name, shortname..)
5) Match_player details (match id, player id, team id, captain, keeper..) etc

The concept is adapted from the official site https://www.iplt20.com . The database will be populated using the data from the following site https://www.kaggle.com/harsha547/indian-premier-league-csv-dataset.

Questions about database:

1) Give the names of all teams participated in IPL seasons.
2) Mention the names of the winner teams in each season.
3) Name the team with most wins.
4) Name man of the series for each season.
5) Name the player who won man of the match title maximum number of times.
6) Name the players with orange cap (top-run scorer) for different seasons.
7) Name the players with purple cap (top-wicket taker) for different seasons.
8) List captains of all teams in season2.
9) List venues for all matches of season 1.
10) Give the details of the venue with maximum number of matches.
11) List the names of all players of the winning team in season 1.
12) List wicket keepers of all the teams.
13) List the matches from all seasons which resulted in a tie.
14) Give the names of players with right-arm off-break bowling skill.
15) Give the names of players who bat with left hand
16) List the total number of matches won by each team in all the seasons
17) Give the names of the teams with Australian player as the captain
18) List teams which have played all seasons.
19) Give the names of different countries whose players participated in IPL.
20) Names of Indian players with slow left arm orthodox bowling skill.