Q1. Count the number of players by the first letter of their surname. List the results in alphabetical order.

Hint: The function LEFT(str, n) returns the first n characters of the string value str.

SELECT LEFT(LastName, 1), COUNT(*)
FROM player
GROUP BY(LEFT(LastName, 1))
ORDER BY(LEFT (LastName, 1));

	Initial_of_Surname	Count_of_Players
>	Α	7
	В	16
	С	6
	D	15
	E	5
	F	8
	G	8
	Н	10
	J	3
	K	2
	L	10
	M	12
	0	2
	P	11
	R	5
	S	12
	Т	5
	W	7

Q2. List the game ID, year, and participating team names for every cancelled game.

```
SELECT game.GameID, season.SeasonYear, t1.TeamName, t2.TeamName
FROM season, game, team t1, team t2
WHERE (season.SeasonID = game.SeasonID

AND game.Team1 = t1.TeamID

AND t2.TeamID = game.Team2

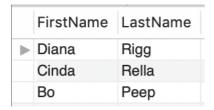
AND game.T1Score IS NULL

AND game.T2Score IS NULL);
```

Game_II	D Season_Year	Team1_Name	Team2_Name
▶ 44	2017	Footscray Women	Moorabbin Women

Q3. List the first and last names of players who have played more than 20 games in total across all competitions.

SELECT FirstName, LastName
FROM player
WHERE player.PlayerID IN (SELECT PlayerID
FROM playerteam
GROUP BY PlayerID
HAVING COUNT(*) > 20);



Q4. For all current members of the Melbourne City club who have played fewer than 12 games across all competitions, list their first and last names and the number of games they have played. Place the players who have played the most games first.

SELECT FirstName, LastName, COUNT(*)
FROM player NATURAL JOIN clubplayer NATURAL JOIN playerteam
WHERE clubplayer.ClubID = 2
 AND clubplayer.ToDate IS NULL
AND player.PlayerID IN (SELECT PlayerID
 FROM playerteam
 GROUP BY PlayerID
 HAVING COUNT(*) <12)

GROUP BY playerteam.PlayerID ORDER BY COUNT(*) desc;

FirstName	LastName	Number_of_Games_Played
▶ Kimberley	Ranges	11
Callum	Hotspor	10
Linda	Evangalista	10
Melanie	Griffith	9
Don	Dunstan	8

Q5. List the names of men who play in the Bingham Trophy but not the Dewar Shield competition.

SELECT DISTINCT FirstName, LastName

FROM player NATURAL JOIN playerteam NATURAL JOIN game NATURAL JOIN season NATURAL JOIN competition

WHERE (Sex LIKE 'M'

AND PlayerID = playerteam.PlayerID

AND playerteam.GameID = game.GameID

AND game.SeasonID = season.SeasonID

AND season.CompetitionID = competition.CompetitionID

AND (competition.CompetitionID <> 1 AND competition.CompetitionID = 3));

	FirstName	LastName
	Arthur	Dayley
	Bruce	Banner
	Steven	Spielberg
	Alex	Skaarsgard
	Brian	Blessed
	Stuart	Mills
	Arnold	Bax
	Broderick	Davis
	Seth	Greene
	Allan	Bennett
	Revan	Jackson

Q6. List the full name (in one column) and current club of players who did not play a game in any competition in the 2017 season.

```
SELECT CONCAT(FirstName, ' ', LastName), club.ClubName
FROM player NATURAL JOIN club NATURAL JOIN team NATURAL JOIN game
NATURAL JOIN season NATURAL JOIN playerteam
WHERE (club.ClubID = team.ClubID

AND (team.TeamID = game.Team1 OR team.TeamID = game.Team2)
AND game.SeasonID = season.SeasonID

AND season.SeasonID = 2017
AND player.PlayerID IN (SELECT PlayerID

FROM playerteam

GROUP BY PlayerID

HAVING COUNT(*) = 0));
```

Full_Name	ClubName

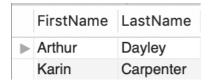
Q7. Which club currently has the fewest female players? Print the club name and the number of female players in it.

ClubName	Number_of_Female_Players
► Animatus Rugby Club	8

Q8. A team has a "winless season" when it does not win any of the games it plays in that season. Find the teams that have had exactly one winless season. List the team name and the year in which their winless season occurred.

Q9. Find the first and last names of players who have played against all their former clubs.

SELECT DISTINCT FirstName, LastName
FROM player NATURAL JOIN clubplayer
WHERE (PlayerID = clubplayer.PlayerID
AND clubplayer.ToDate IS NOT NULL)



Q10. How many points did the 'Melbourne City Women' team score in the Williams Plate in 2017?

```
SELECT SUM(score) AS TotalScore
FROM (
 (SELECT SUM(T1Score) AS score
 FROM team NATURAL JOIN playerteam NATURAL JOIN game
 WHERE (game.SeasonID = 2
 AND playerteam.TeamID = 12
 AND game.Team1 = 12)
 )
UNION
 (SELECT SUM(T2Score) AS score
 FROM team NATURAL JOIN playerteam NATURAL JOIN game
 WHERE (game.SeasonID = 2
     AND playerteam.TeamID = 12
 AND Team2 = 12)
)
AS scores;
```

TotalScore

▶ 768