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SQL TIMES



Esport Tournament Challenge

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INTRODUCTION

As sports analysts, we are here to analyze the top esports competitors from across the globe and extract valuable insights for the tournament.

PROBLEM STATEMENT

Key datasets for this case study are:

1. Teams
2. Players
3. Matches

TABLES USED

Teams

team_id	team_name	country	captain_id
1	Cloud9	USA	1
2	Fnatic	Sweden	2
3	SK Telecom T1	South Korea	3
4	Team Liquid	USA	4
5	G2 Esports	Spain	5

Players

player_id	player_name	team_id	role	salary
1	Shroud	1	Rifler	100000
2	JW	2	AWP	90000
3	Faker	3	Mid Laner	120000
4	Stewie2K	4	Rifler	95000
5	Perkz	5	Mid Laner	110000
6	Castle09	1	AWP	120000
7	Pike	2	Mid Laner	70000
8	Daron	3	Rifler	125000
9	Felix	4	Mid Laner	95000
10	Stadz	5	Rifler	98000
11	KL34	1	Mid Laner	83000
12	ForceZ	2	Rifler	130000
13	Joker	3	AWP	128000
14	Hari	4	AWP	90000
15	Wringer	5	Mid Laner	105000

Matches

match_id	team1_id	team2_id	match_date	winner_id	score_team1	score_team2
1	1	2	2022-01-01	1	16	14
2	3	5	2022-02-01	3	14	9
3	4	1	2022-03-01	1	17	13
4	2	5	2022-04-01	5	13	12
5	3	4	2022-05-01	3	16	10
6	1	3	2022-02-01	3	13	17
7	2	4	2022-03-01	2	12	9
8	5	1	2022-04-01	1	11	15
9	2	3	2022-05-01	3	9	10
10	4	5	2022-01-01	4	13	10

CASE STUDY QUESTIONS

1. What are the names of the players whose salary is greater than 100,000?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

```
1 • select player_name
2   from players
3  where salary > 100000;
```

The results are displayed in a "Result Grid" table:

player_name
Faker
Perkz
Castle09
Daron
ForceZ
Joker
Wringer

2. What is the team name of the player with player_id = 3?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

```
1 • select p.player_id, p.player_name, t.team_name
2   from players p
3  join teams t using (team_id)
4 where p.player_id = 3;
```

The results are displayed in a "Result Grid" table:

player_id	player_name	team_name
3	Faker	SK Telecom T1

3. What is the total number of players in each team?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

```
1 • select t.team_name, count(*) as total_players
2   from players p
3  join teams t using (team_id)
4 group by 1;
```

The results are displayed in a "Result Grid" table:

team_name	total_players
Cloud9	3
Fnatic	3
SK Telecom T1	3
Team Liquid	3
G2 Esports	3

CASE STUDY QUESTIONS

4. What is the team name and captain name of the team with team_id = 2?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

```
1 • select t.team_id, team_name, p.player_name as captain
2   from teams t
3   join players p on t.captain_id = p.player_id
4 where t.team_id = 2;
```

The result grid shows one row of data:

team_id	team_name	captain
2	Fnatic	JW

5. What are the player names and their roles in the team with team_id = 1?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

```
1 • select player_name, role
2   from players
3  where team_id = 1;
```

The result grid shows three rows of data:

player_name	role
Shroud	Rifler
Castle09	AWP
KL34	Mid Laner

6. What are the team names and the number of matches they have won?

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 6". The query is:

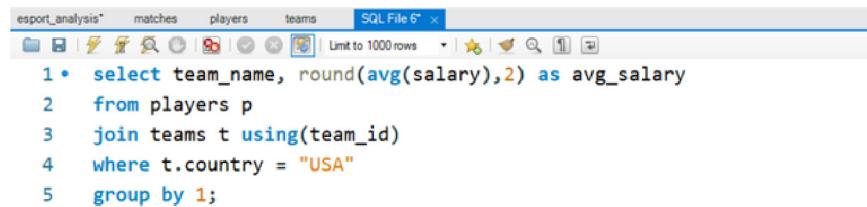
```
1 • select t.team_name, count(*) as matches_won
2   from matches m
3   join teams t on m.winner_id = t.team_id
4  group by 1;
```

The result grid shows five rows of data:

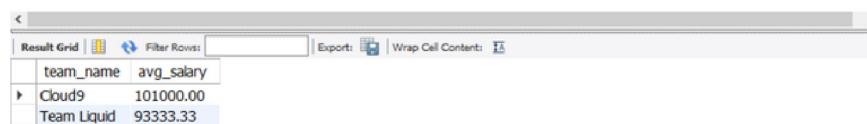
team_name	matches_won
Cloud9	3
Fnatic	1
SK Telecom T1	4
Team Liquid	1
G2 Esports	1

CASE STUDY QUESTIONS

7. What is the average salary of players in the teams with country 'USA'?

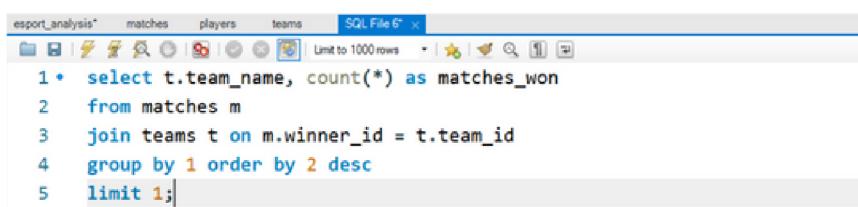


```
esport_analysis* matches players teams SQL File 6* ×
1 • select team_name, round(avg(salary),2) as avg_salary
2   from players p
3   join teams t using(team_id)
4   where t.country = "USA"
5   group by 1;
```



team_name	avg_salary
Cloud9	101000.00
Team Liquid	93333.33

8. Which team won the most matches?

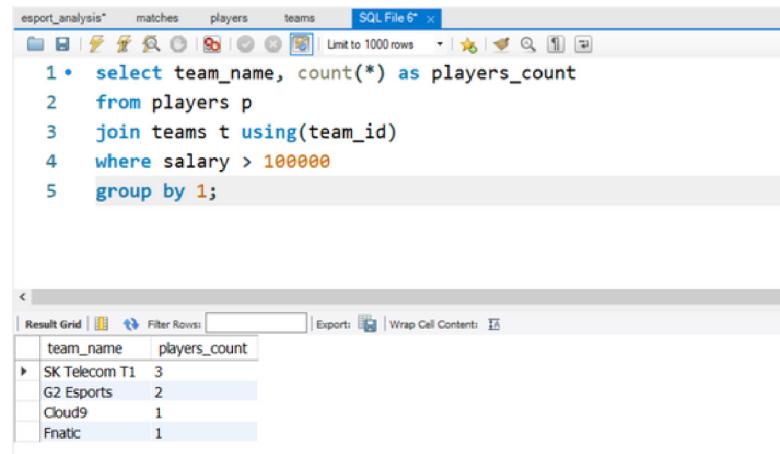


```
esport_analysis* matches players teams SQL File 6* ×
1 • select t.team_name, count(*) as matches_won
2   from matches m
3   join teams t on m.winner_id = t.team_id
4   group by 1 order by 2 desc
5   limit 1;
```



team_name	matches_won
SK Telecom T1	4

9. What are the team names and the number of players in each team whose salary is greater than 100,000?



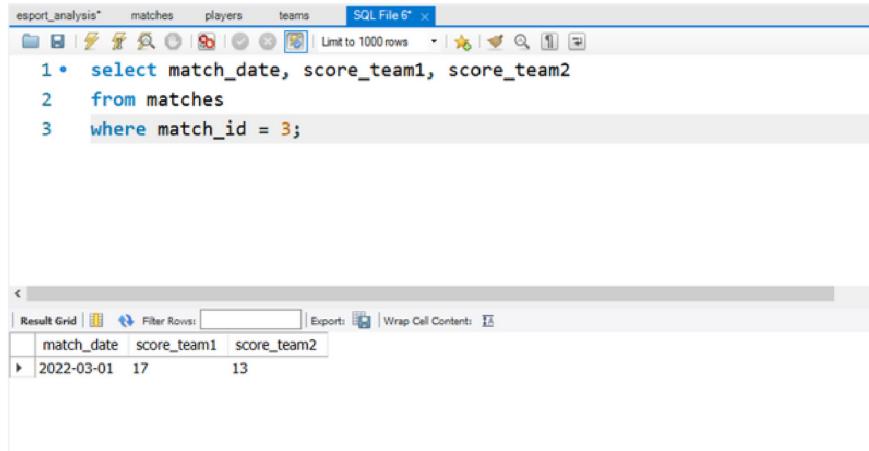
```
esport_analysis* matches players teams SQL File 6* ×
1 • select team_name, count(*) as players_count
2   from players p
3   join teams t using(team_id)
4   where salary > 100000
5   group by 1;
```



team_name	players_count
SK Telecom T1	3
G2 Esports	2
Cloud9	1
Fnatic	1

CASE STUDY QUESTIONS

10. What is the date and the score of the match with match_id = 3?



The screenshot shows a SQL database interface with a query window and a results grid.

Query window:

```
1 • select match_date, score_team1, score_team2
2   from matches
3  where match_id = 3;
```

Results grid:

match_date	score_team1	score_team2
2022-03-01	17	13

INSIGHTS

1. Faker, Perkz, Daron, Joker, and some of them have salaries greater than \$100,000.
2. All the teams have three people on their teams.
3. "JW" is the captain of the team "Fnatic".
4. In Cloud9, there are three players whose names are Shroud, Castle09, and KL34 have different responsibilities in their team.
5. "SK Telecom T1" has won the highest number of matches.
6. There are three people in a team of "SK Telecom T1" who have greater salaries than \$100,000.