STEEL DATA

Challenge 2 - Esports Tournament

SQL Case Study

Challenge 2 - Esports Tournament

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Introduction

The top eSports competitors from across the globe have gathered to battle it out
Can you analyse the following data to find out all about the tournament?

Questions

- 1. What are the names of the players whose salary is greater than 100,000?
- 2. What is the team name of the player with player_id = 3?
- 3. What is the total number of players in each team?
- 4. What is the team name and captain name of the team with team_id = 2?
- 5. What are the player names and their roles in the team with team_id = 1?
- 6. What are the team names and the number of matches they have won?
- 7. What is the average salary of players in the teams with country 'USA'?
- 8. Which team won the most matches?
- 9. What are the team names and the number of players in each team whose salary is greater than 100,000?
- 10. What is the date and the score of the match with match_id = 3?

Question:1

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

```
SELECT
  player_name , salary
FROM players
WHERE salary>100000;
```

Output

player_name	salary
Faker	120000
Perkz	110000
Castle09	120000
Daron	125000
ForceZ	130000
Joker	128000
Wringer	105000

Question:2

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

```
SELECT
p.player_id, p.player_name,
t.team_name from players p
JOIN teams t on p.team_id=t.team_id
WHERE p.player_id=3;
```

Output

	player_id	player_name	team_name
▶	3	Faker	SK Telecom T1

Question:3

What is the total number of players in each team?

```
SELECT
  t.team_id,t.team_name,
COUNT(p.player_id) AS total_num_of_players
FROM teams t
JOIN players p
ON t.team_id = p.team_id
GROUP BY t.team_id,t.team_name;
```

Output

team_id	team_name	total_num_of_players
1	Cloud9	3
2	Fnatic	3
3	SK Telecom T1	3
4	Team Liquid	3
5	G2 Esports	3

Question:4

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

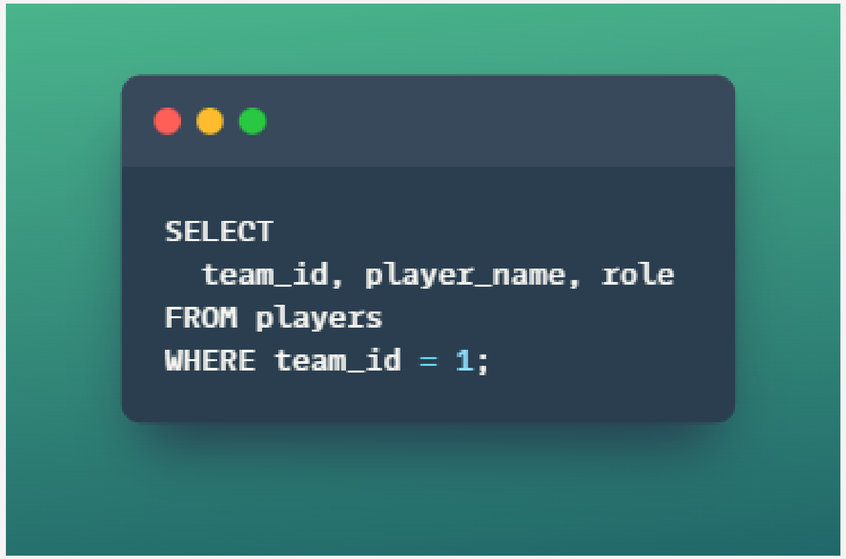
```sql
SELECT
  t.team_name,p.player_name AS captain_name
FROM teams t
JOIN players p
ON t.captain_id = p.player_id
WHERE t.team_id = 2;
```

Output

	team_name	captain_name
▶	Fnatic	JW

Question:5

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



```sql
SELECT
  team_id, player_name, role
FROM players
WHERE team_id = 1;
```

Output

team_id	player_name	role
1	Shroud	Rifler
1	Castle09	AWP
1	KL34	Mid Laner

Question:6

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

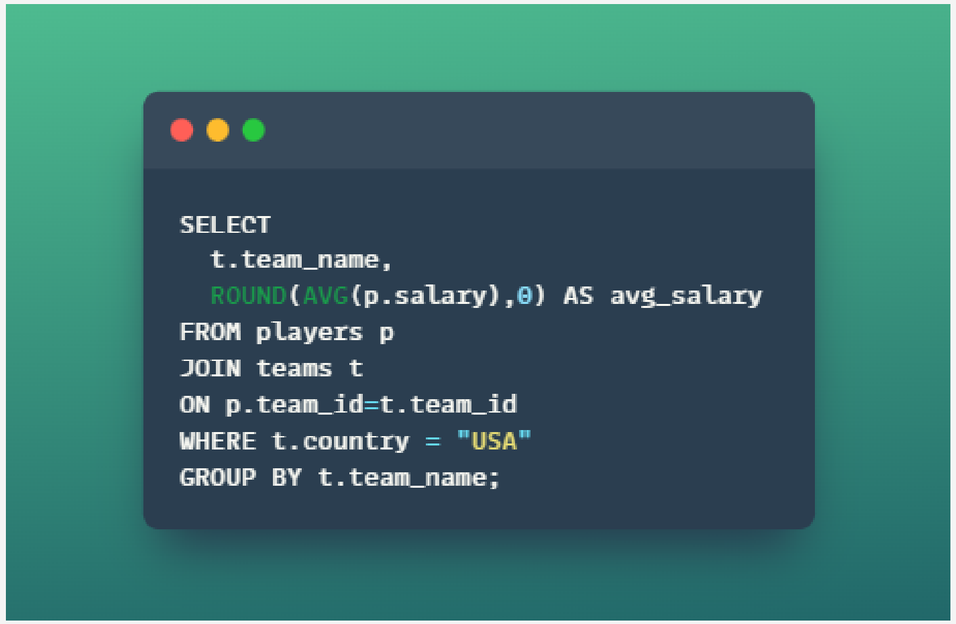
```sql
SELECT
  t.team_name ,
  count(m.winner_id) AS num_of_match_won
FROM teams t JOIN matches m
ON m.winner_id = t.team_id
GROUP BY t.team_name
ORDER BY count(m.winner_id) DESC ;
```

Output

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

Question:7

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



```
SELECT
  t.team_name,
  ROUND(AVG(p.salary),0) AS avg_salary
FROM players p
JOIN teams t
ON p.team_id=t.team_id
WHERE t.country = "USA"
GROUP BY t.team_name;
```

Output

	team_name	avg_salary_of_players
▶	Cloud9	101000
	Team Liquid	93333

Question:8

Which team won the most matches?

```sql
SELECT
  t.team_name ,
  COUNT(m.winner_id) AS num_of_match_won
FROM teams t
JOIN matches m
ON m.winner_id = t.team_id
GROUP BY t.team_name
ORDER BY count(m.winner_id)  DESC
LIMIT 1;
```

Output

team_name	num_of_match_won
SK Telecom T1	4

Question:9

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

```sql
SELECT
  t.team_id,t.team_name,
  COUNT(p.player_id) AS num_of_players
FROM teams t
JOIN players p ON p.team_id = t.team_id
WHERE salary >100000
GROUP BY t.team_name,t.team_id
ORDER BY t.team_id ASC;
```

Output

	team_id	team_name	num_of_players
▶	1	Cloud9	1
	2	Fnatic	1
	3	SK Telecom T1	3
	5	G2 Esports	2

Question:10

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

```
SELECT
  match_date,score_team1,score_team2
FROM esports_tournament.matches
WHERE match_id=3;
```

Output

	match_date	score_team1	score_team2
▶	2022-03-01	17	13

STEEL DATA

Thank You