



SANNIDHYA DAS

E-SPORT TOURNAMENT

SQL CHALLENGE

@Steel Data @Matthew Steel



INTRODUCTION

The best eSports players from across the world have come together to compete. Here, I have to comprehend the information and use analysis to provide answers to all of the tournament's queries.

SCHEMA

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

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

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

Questions

Answer the following questions

Then write a LinkedIn post saying what you have learnt or enjoyed

Make sure to tag @Steel Data and @Matthew Steel

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?

Q1. What are the names of the players whose salary is greater than 100,000?

```
SELECT * FROM players
WHERE salary > 100000;
```

player_id [PK] integer	player_name character varying (50)	team_id integer	role character varying (50)	salary integer
3	Faker	3	Mid laner	120000
5	Perkz	5	Mid laner	110000
6	Castle09	1	AWP	120000
8	Daron	3	Rifler	125000
12	ForceZ	2	Rifler	130000
13	Joker	3	AWP	128000
15	Wringer	5	Mid laner	105000

Q2. What is the team name of the player with player_id = 3?

```
SELECT player_id, player_name, players.team_id, teams.team_name
FROM players
JOIN teams ON players.team_id=teams.team_id
WHERE player_id = '3';
```

player_id integer	player_name character varying (50)	team_id integer	team_name character varying (50)
3	Faker	3	SK Telecom T1

Q3. What is the total number of players in each team?

```
SELECT players.team_id, teams.team_name,  
COUNT(player_name) AS Total_players  
FROM players  
JOIN teams ON players.team_id=teams.team_id  
GROUP BY players.team_id,  
teams.team_name;
```

team_id integer	team_name character varying (50)	total_players bigint
3	SK Telecom T1	3
1	Cloud9	3
2	Fnatic	3
5	G2 Esports	3
4	Team Liquid	3

Q4. What is the team name and captain name of the team with team_id = 2?

```
SELECT teams.team_id,team_name,captain_id,  
players.player_name  
FROM teams  
JOIN players ON players.team_id=teams.team_id  
WHERE teams.captain_id=players.player_id  
AND teams.team_id='2';
```

team_id integer	team_name character varying (50)	captain_id integer	player_name character varying (50)
2	Fnatic	2	JW

Q5. What are the player names and their roles in the team with team_id = 1?

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

player_name character varying (50)	team_id integer	role character varying (50)
Shroud	1	Rifler
Castle09	1	AWP
KL34	1	Mid Laner

Q6. What are the team names and the number of matches they have won?

```
SELECT teams.team_id,team_name,Count(winner_id) AS total_wins
FROM teams
JOIN matches ON teams.team_id=matches.winner_id
GROUP BY teams.team_id
ORDER BY 3 DESC;
```

team_id [PK] integer	team_name character varying (50)	total_wins bigint
3	SK Telecom T1	4
1	Cloud9	3
5	G2 Esports	1
4	Team Liquid	1
2	Fnatic	1

Q7. What is the average salary of players in the teams with country 'USA'?

```
SELECT players.team_id, teams.team_name, country,  
ROUND(AVG(salary),2) AS avg_salary  
FROM teams  
JOIN players ON teams.team_id=players.team_id  
WHERE country='USA'  
GROUP BY players.team_id,  
teams.team_name,  
country
```

team_id integer	team_name character varying (50)	country character varying (50)	avg_salary numeric
1	Cloud9	USA	101000.00
4	Team Liquid	USA	93333.33

Q8. Which team won the most matches?

```
SELECT teams.team_id, team_name, Count(winner_id) AS total_wins
FROM teams
JOIN matches ON teams.team_id=matches.winner_id
GROUP BY teams.team_id
ORDER BY 3 DESC
LIMIT 1;
```

team_id [PK] integer	team_name character varying (50)	total_wins bigint
3	SK Telecom T1	4

Q9. What are the team names and the number of players in each team whose salary is greater than 100,000?

```
SELECT team_name, COUNT(player_id)
FROM teams
JOIN players ON teams.team_id=players.team_id
WHERE salary > 100000
GROUP BY teams.team_name;
```

team_name	count
character varying (50) 🔒	bigint 🔒
Cloud9	1
G2 Esports	2
SK Telecom T1	3
Fnatic	1

Q10. What is the date and the score of the match with match_id = 3?

```
SELECT match_id, match_date, winner_id,  
team_name AS winning_team_name,  
score_team1, score_team2  
FROM matches  
JOIN teams ON matches.winner_id = teams.team_id  
WHERE match_id = '3'
```

match_id integer	match_date date	winner_id integer	winning_team_name character varying (50)	score_team1 integer	score_team2 integer
3	2022-03-01	1	Cloud9	17	13



Presented By Sannidhya Das

**THANK
YOU!**



E-Sports Tournament Analysis