

CHALLENGE 2 – ESPORTS TOURNAMENT



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Problem Statement: Analyzing the tournament data to help esports competitors from across the globe and provide insights to them for the competition

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

Question -I: What are the names of the players whose salary is greater than 100,000?

❖ Below were the player names whose salary is greater than 100,000.



```
1 • select player_name, salary
2   from players
3   where salary > 100000;
4
```

Result Grid			Filter Rows:
	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?

❖ SK Telecom T1 is team name of the player with ID = 3.

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

Result Grid			Filter Rows: <input type="text"/>
	team_id	team_name	
▶	3	SK Telecom T1	

Question - 3: What is the total number of players in each team?

❖ We can observe that each team has 3 players.

```
1 • select t.team_name,  
2         count(p.player_id) as count_of_players  
3 from teams t  
4     join players p  
5         on t.team_id = p.team_id  
6 group by t.team_name  
7 order by count_of_players;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
team_name	count_of_players		
Cloud9	3		
Fnatic	3		
SK Telecom T1	3		
Team Liquid	3		
G2 Esports	3		

Question - 4: What is the team name and captain name of the team with team_id = 2?

❖ Fnatic is the Team name and JW is the captain name for team id 2.

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

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	team_name	captain_name			
▶	Fnatic	JW			

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

❖ Below are the names of players and their roles for team id 1.

```
1 • select p.player_name,  
2         p.role as player_role  
3 from players p  
4     join teams t  
5         on p.team_id = t.team_id  
6 where p.team_id = 1;
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	player_name	player_role		
▶	Shroud	Rifler		
	Castle09	AWP		
	KL34	Mid Laner		

Question - 6 : What are the team names and the number of matches they have won?

❖ We can observe SK Telecom T1 has won more number of matches followed by Cloud9.





```
1 • select team_name,  
2         count(winner_id) as no_of_matches_won  
3 from teams t  
4     join matches m  
5         on t.team_id = m.winner_id  
6 group by team_name  
7 order by no_of_matches_won desc;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
team_name	no_of_matches_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'?

❖ Below are the average salaries of teams whose country is 'USA'.

```
1 • select team_name,  
2         round(avg(salary), 2) as average_salary  
3 from teams t  
4     join players p  
5         on p.team_id = t.team_id  
6 where country = "USA"  
7 group by team_name;
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	team_name	average_salary		
▶	Cloud9	101000.00		
	Team Liquid	93333.33		

Question - 8 : Which team won the most matches?

❖ SK Telecom T1 has won more number of matches that is 4.

```
1 • select team_name,  
2         count(winner_id) as most_matches_won  
3 from teams t  
4     join matches m  
5         on t.team_id = m.winner_id  
6 group by team_name  
7 order by most_matches_won desc  
8 limit 1;
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch rows:
	team_name	most_matches_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?

❖ Below are the team names and their number of players whose salary is greater than 100,000.





```
1 • select team_name,  
2         count(player_id) as no_of_players  
3 from teams t  
4     join players p  
5         on t.team_id = p.team_id  
6 where salary > 100000  
7 group by team_name  
8 order by no_of_players desc;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
team_name	no_of_players		
SK Telecom T1	3		
G2 Esports	2		
Cloud9	1		
Fnatic	1		

Question - 10 : What is the date and the score of the match with match_id = 3?

❖ Below is the match date and the team scores and also the total score for match id 3.

```
1 • select match_date,  
2         score_team1,  
3         score_team2,  
4         (score_team1 + score_team2) as Total_Score  
5 from matches  
6 where match_id = 3;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	match_date	score_team1	score_team2	Total_Score	
▶	2022-03-01	17	13	30	

THANK YOU