



CHALLENGE 2

ESPORTS TOURNAMENT

INTRODUCTION

The top eSports competitors from across the globe have gathered to battle it out

Here I am going to analyse the following data to find all about the tournament.

TABLE 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

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	11	12
5	3	4	2022-05-01	3	16	19
6	1	3	2022-06-01	3	13	17
7	2	4	2022-07-01	2	12	9
8	5	1	2022-08-01	1	11	15
9	2	3	2022-09-01	3	9	10
10	4	5	2022-10-01	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

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



```
select player_name from players  
where salary > 100000
```

output :

	player_name
1	Faker
2	Perkz
3	Castle09
4	Daron
5	ForceZ
6	Joker
7	Wringer

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



```
select t.team_id,t.team_name,p.player_name  
from players as p  
join teams as t on t.team_id = p.team_id  
where player_id = 3
```

output :

	team_id integer	team_name character varying (50)	player_name character varying (50)
1	3	SK Telecom T1	Faker

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



```
SELECT t.team_id,t.team_name, COUNT(p.*) AS total_players  
FROM players as p  
join teams as t on t.team_id = p.team_id  
GROUP BY t.team_id  
order by team_id  
where player_id = 3
```

output :

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

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



```
select t.team_name,p.player_name as captain_name  
from teams as t  
join players as p on t.team_id = p.team_id  
where p.team_id = 2
```

output :

	team_name character varying (50) 	captain_name character varying (50) 
1	Fnatic	JW
2	Fnatic	Pike
3	Fnatic	ForceZ

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



```
select player_name,role from players  
where team_id = 1
```

output :

	player_name character varying (50) 	role character varying (50) 
1	Shroud	Rifler
2	Castle09	AWP
3	KL34	Mid Laner

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



```
select t.team_id,t.team_name,count(m.*) as  
matches_won from teams as t  
join matches as m on t.team_id = m.winner_id  
group by t.team_id  
order by matches_won desc
```

output :

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

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



```
select t.team_name,round(AVG(P.salary),2) as  
avg_salary from teams as t  
join players as p on t.team_id = p.team_id  
where country = 'USA'  
group by t.team_id
```

output :

	team_name character varying (50) 	avg_salary numeric 
1	Cloud9	101000.00
2	Team Liquid	93333.33

Q8. Which team won the most matches?



```
select t.team_id,t.team_name,count(m.*) as  
matches_won from teams as t  
join matches as m on t.team_id = m.winner_id  
group by t.team_id  
order by matches_won desc  
limit 1
```

output :

	team_id [PK] integer	team_name character varying (50)	matches_won bigint
1	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 t.team_name, count(p.*)
from players as p
join teams as t on t.team_id = p.team_id
where salary > 100000
group by t.team_id
order by players desc
```

output :

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

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



```
select  
match_date,score_team1,score_team2,sum(score_  
team1+score_team2) as total_score from  
matches  
where match_id = 3  
group by match_date,score_team1,score_team2
```

output :

	match_date date	score_team1 integer	score_team2 integer	total_score bigint
1	2022-03-01	17	13	30

THANK YOU

CREATED BY : PREETI SAINI

