Esports Tournament

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?

- Challenge [Link](#)

- GitHub [Link](#)

Tables

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

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

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

	player_name
▶	Faker
	Perkz
	Castle09
	Daron
	ForceZ
	Joker
	Wringer

player_id	player_name	team_name
3	Faker	SK Telecom T1

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

```sql
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;
```

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

```sql
select t.team_name, count(p.team_id) as number_of_players
from teams t
join players p
on t.team_id = p.team_id
group by team_name
```

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

team_name	captain_name
Fnatic	JW

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

```sql
with team_info as(
select team_name, captain_id
from teams
where team_id = 2
)
select team_name,player_name as captain_name
from team_info,players
where player_id = captain_id;
```

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

player_name	role
Shroud	Rifler
Castle09	AWP
KL34	Mid Laner

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

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

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

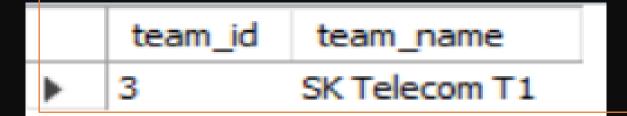| team_id	team_name	no_of_wins
1	Cloud9	3
2	Fnatic	1
3	SK Telecom T1	4
4	Team Liquid	1
5	G2 Esports	1

```sql
select t.team_name,t.country,round(avg(p.salary),2) as avg_salary
from teams t
join players p
on t.team_id = p.team_id
group by t.team_name,t.country
having t.country = 'USA';
```

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

team_name	country	avg_salary
Cloud9	USA	101000.00
Team Liquid	USA	93333.33

8. Which team won the most matches?

```sql
with CTE1 as(
select t.team_id,t.team_name, count(m.winner_id) as no_of_wins
from teams t
join matches m
on t.team_id = m.winner_id
group by t.team_name,t.team_id
),
CTE2 as(
select *,
dense_rank() over(order by no_of_wins) as high_win
from CTE1
order by high_win desc limit 1)
select team_id, team_name
from CTE2;
```

team_id	team_name
3	SK Telecom T1

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

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

match_date	score_team1	score_team2
2022-03-01	17	13

THANK YOU