

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?



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?

```
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?

```
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

```
⊕ 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;
```

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

```
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
```

	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

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

```
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

```
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;
```

8. Which team won the most matches?

	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