

# 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

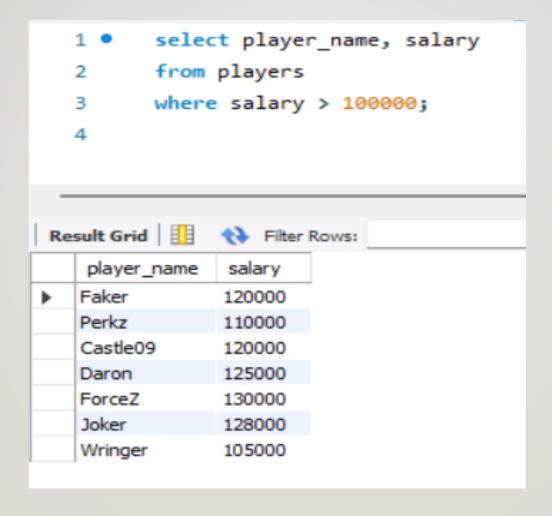
match_id	team1_id	team2_id	match_date	winner_id	score_team1	score_team2
1	1	2	2022-01-01	1	16	14
2	3	5	2022-02-01	3	14	9
3	4	1	2022-03-01	1	17	13
4	2	5	2022-04-01	5	13	12
5	3	4	2022-05-01	3	16	10
6	1	3	2022-02-01	3	13	17
7	2	4	2022-03-01	2	12	9
8	5	1	2022-04-01	1	11	15
9	2	3	2022-05-01	3	9	10
10	4	5	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 -1: 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.



Question - 2: What is the team name of the player with player\_id = 3?

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

```
select t.team_id, t.team_name
      from teams t
       join players p
          on t.team_id = p.team_id
       where p.player_id = 3;
team_id team_name
        SK Telecom T1
```

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

\* We can observe that each team has 3 players.

```
select t.team_name,
                 count(p.player_id) as count_of_players
        from teams t
             join players p
                  on t.team_id = p.team_id
        group by t.team_name
        order by count_of_players;
Result Grid
                                           Export: Wrap Cell Content: $\overline{\pmathbb{I}}$
              ♦ Filter Rows:
   team_name
                count_of_players
  Cloud9
  Fnatic
  SK Telecom T1 3
  Team Liquid
  G2 Esports
```

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.

```
select t.team_name,
               p.player_name as captain_name
        from teams t
        join players p
            on t.captain_id = p.player_id
        where t.team_id = 2;
Result Grid
                                       Export: Wrap Cell Content: TA
             Filter Rows:
   team_name
             captain_name
  Fnatic
            JW
```

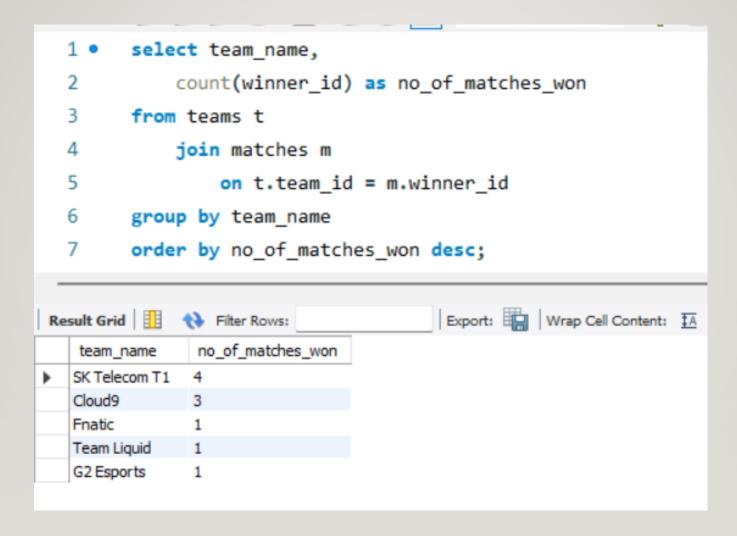
Question - 5: What are the player names and their roles in the team with team\_id = 1?

\* Below are the names pf players and their roles for team id 1.

```
select p.player_name,
                p.role as player_role
        from players p
             join teams t
                 on p.team_id = t.team_id
        where p.team_id = 1;
Result Grid
             Filter Rows:
                                         Export: Wrap Cell Content: TA
  player_name
              player_role
             Rifler
  Shroud
  Castle09
             AWP
             Mid Laner
  KL34
```

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.



## 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'.

```
select team_name,
                round(avg(salary), 2) as average_salary
        from teams t
            join players p
                 on p.team id = t.team id
        where country = "USA"
        group by team_name;
Result Grid Filter Rows:
                                       Export: Wrap Cell Content: IA
   team_name
             average_salary
  Cloud9
            101000.00
  Team Liquid 93333.33
```

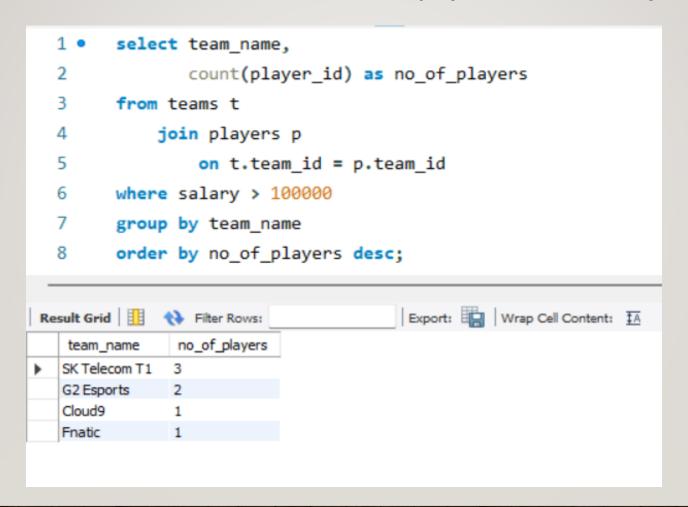
#### Question - 8: Which team won the most matches?

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

```
select team_name,
               count(winner_id) as most_matches_won
       from teams t
            join matches m
                on t.team_id = m.winner_id
       group by team_name
        order by most_matches_won desc
        limit 1;
Result Grid
                                      Export: Wrap Cell Content: TA Fetch rows:
             Filter 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.



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.

```
select match_date,
 1 •
                score_team1,
                score_team2,
                (score_team1 + score_team2) as Total_Score
 5
        from matches
  6
        where match_id = 3;
Result Grid
                                        Export: Wrap Cell Content: TA
             Filter Rows:
  match_date score_team1 score_team2
                                   Total_Score
  2022-03-01
            17
                        13
                                   30
```

# **THANK YOU**