

Challenge-2

ESPORTS TOURNAMENT

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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 |

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 |

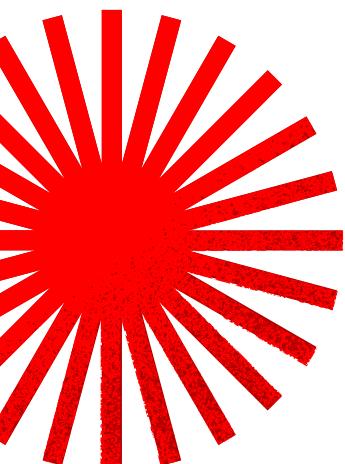
QUESTION-1 —————

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

Query SQL ●

```
1 SELECT player_name  
2 FROM Players  
3 WHERE salary > 100000;
```

| player_name |
|-------------|
| Faker |
| Perkz |
| Castle09 |
| Daron |
| ForceZ |
| Joker |
| Wringer |



QUESTION-2

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

Query SQL •

```
1 SELECT team_name  
2 FROM Teams  
3 WHERE team_id = (SELECT team_id FROM Players WHERE player_id = 3);
```

team_name

SK Telecom T1

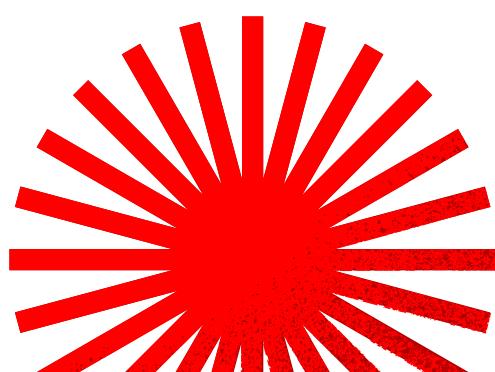
QUESTION–3—

What is the total number of players in each team?

Query SQL •

```
1 SELECT team_name, COUNT(*) AS total_players  
2 FROM Teams  
3 JOIN Players ON Teams.team_id = Players.team_id  
4 GROUP BY Teams.team_name;
```

| team_name | total_players |
|---------------|---------------|
| Cloud9 | 3 |
| Fnatic | 3 |
| G2 Esports | 3 |
| SK Telecom T1 | 3 |
| Team Liquid | 3 |



QUESTION-4

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

Query SQL 

```
1 SELECT team_name, player_name AS captain_name  
2 FROM Teams  
3 JOIN Players ON Teams.captain_id = Players.player_id  
4 WHERE Teams.team_id = 2;
```

| team_name | captain_name |
|-----------|--------------|
| Fnatic | JW |



QUESTION-5

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

Query SQL •

```
1 SELECT player_name, role  
2 FROM Players  
3 WHERE team_id = 1;
```

| player_name | role |
|-------------|-----------|
| Shroud | Rifler |
| Castle09 | AWP |
| KL34 | Mid Laner |

QUESTION-6

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

Query SQL •

```
1 SELECT Teams.team_name, COUNT(*) AS matches_won  
2 FROM Teams  
3 JOIN Matches ON Teams.team_id = Matches.winner_id  
4 GROUP BY Teams.team_name;
```

| team_name | matches_won |
|---------------|-------------|
| Cloud9 | 3 |
| Fnatic | 1 |
| G2 Esports | 1 |
| SK Telecom T1 | 4 |
| Team Liquid | 1 |

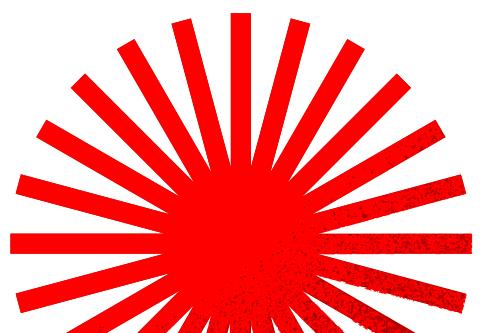
QUESTION-7

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

Query SQL ●

```
1 SELECT AVG(salary) AS avg_salary  
2 FROM Players  
3 JOIN Teams ON Players.team_id = Teams.team_id  
4 WHERE Teams.country = 'USA';
```

| avg_salary |
|------------|
| 97166.6667 |



QUESTION-8

Which team won the most matches?

Query SQL •

```
1 SELECT Teams.team_name
2 FROM Teams
3 JOIN Matches ON Teams.team_id = Matches.winner_id
4 GROUP BY Teams.team_name
5 ORDER BY COUNT(*) DESC
6 LIMIT 1;
```

team_name

SK Telecom T1



QUESTION-9

What are the team names and the number of players in each team whose salary is greater than 100,000?

Query SQL 

```
1 SELECT Teams.team_name, COUNT(*) AS high_salary_players
2 FROM Teams
3 JOIN Players ON Teams.team_id = Players.team_id
4 WHERE Players.salary > 100000
5 GROUP BY Teams.team_name;
```

| team_name | high_salary_players |
|---------------|---------------------|
| Cloud9 | 1 |
| Fnatic | 1 |
| G2 Esports | 2 |
| SK Telecom T1 | 3 |

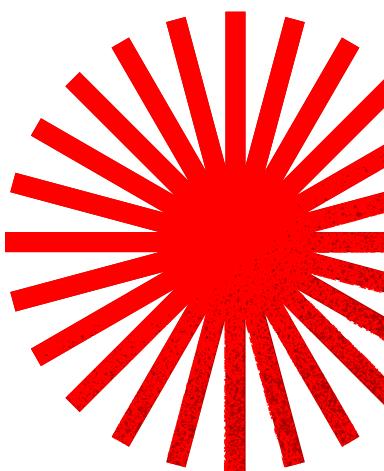
QUESTION-10

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

Query SQL •

```
1 SELECT match_date, score_team1, score_team2  
2 FROM Matches  
3 WHERE match_id = 3;
```

| match_date | score_team1 | score_team2 |
|------------|-------------|-------------|
| 2022-03-01 | 17 | 13 |



**THANK
YOU**