

CHALLENGE 2

ESPORTS TOURNAMENT

SQL CASE STUDY



Created
By

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MY ROLE

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

I am going to analyse the following data to provide him with all the answers he requires

NITISH_KUMAR

HERE ARE THE TABLES YOU WILL BE USING

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

1. WHAT ARE THE NAMES OF THE PLAYERS WHOSE SALARY IS GREATER THAN 100,000?

```
3 SELECT player_name  
4 FROM Players  
5 WHERE salary >100000;
```

OUTPUT

Query #1

Execution time: 0ms

player_name
Faker
Perkz
Castle09
Daron
ForceZ
Joker
Wringer

2. WHAT IS THE TEAM NAME OF THE PLAYER WITH PLAYER_ID = 3?

```
9 SELECT T.team_name
10 FROM Teams AS T
11 JOIN Players AS P ON T.team_id =P.team_id
12 WHERE P.player_id = 3;
```

OUTPUT

Query #2

Execution time: 0ms

team_name
SK Telecom T1

3. WHAT IS THE TOTAL NUMBER OF PLAYERS IN EACH TEAM?

```
16 SELECT T.team_id,T.team_name,COUNT(P.player_id) AS TOTAL
17 FROM Players AS P
18 JOIN Teams AS T ON T.team_id =P.team_id
19 GROUP BY T.team_id;
```


OUTPUT

Query #3 Execution time: 0ms

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

4. WHAT IS THE TEAM NAME AND CAPTAIN NAME OF THE TEAM WITH TEAM_ID = 2?

```
23 SELECT T.team_name,P.player_name AS CAPTAIN
24 FROM Players AS P
25 JOIN Teams AS T ON T.team_id =P.team_id
26 WHERE T.team_id = 2;
```

OUTPUT

Query #4 Execution time: 0ms

team_name	CAPTAIN
Fnatic	JW
Fnatic	Pike
Fnatic	ForceZ

5. WHAT ARE THE PLAYER NAMES AND THEIR ROLES IN THE TEAM WITH TEAM_ID = 1?

```
30 SELECT P.player_name,P.role
31 FROM Players AS P
32 JOIN Teams AS T ON P.team_id = T.team_id
33 WHERE T.team_id =1;
```

OUTPUT

Query #5 Execution time: 0ms

player_name	role
Shroud	Rifler
Castle09	AWP
KL34	Mid Laner

6. WHAT ARE THE TEAM NAMES AND THE NUMBER OF MATCHES THEY HAVE WON?

Query #6 Execution time: 1ms

team_name	WON
Fnatic	1
Team Liquid	1
G2 Esports	1
Cloud9	3
SK Telecom T1	4

OUTPUT

Query #6 Execution time: 1ms

team_name	WON
Fnatic	1
Team Liquid	1
G2 Esports	1
Cloud9	3
SK Telecom T1	4

7. WHAT IS THE AVERAGE SALARY OF PLAYERS IN THE TEAMS WITH COUNTRY 'USA'?

```
45 SELECT T.team_name, AVG(P.salary) AS AVERAGE_INCOME
46 FROM Teams AS T
47 JOIN Players AS P ON T.team_id = P.team_id
48 WHERE country = "USA"
49 GROUP BY T.team_name
50 ORDER BY AVG(P.salary) DESC;
```


OUTPUT

Query #7 Execution time: 0ms

team_name	AVERAGE_INCOME
Cloud9	101000.0000
Team Liquid	93333.3333

8. WHICH TEAM WON THE MOST MATCHES?

```
54 SELECT T.team_name,COUNT(M.winner_id) AS WON
55 FROM Teams AS T
56 JOIN Matches AS M ON T.team_id = M.winner_id
57 GROUP BY T.team_name
58 ORDER BY COUNT(M.winner_id) DESC
59 LIMIT 1;
```

OUTPUT

Query #8 Execution time: 1ms

team_name	WON
SK Telecom T1	4

9. WHAT ARE THE TEAM NAMES AND THE NUMBER OF PLAYERS IN EACH TEAM WHOSE SALARY IS GREATER THAN 100,000?

```
63 SELECT T.team_name,COUNT(P.player_id) AS TOTAL
64 FROM Teams AS T
65 JOIN Players AS P ON T.team_id = P.team_id
66 WHERE P.salary > 100000
67 GROUP BY T.team_name
68 ORDER BY COUNT(P.player_id) ;
```

OUTPUT

Query #9 Execution time: 0ms

team_name	TOTAL
Cloud9	1
Fnatic	1
G2 Esports	2
SK Telecom T1	3

10. WHAT IS THE DATE AND THE SCORE OF THE MATCH WITH MATCH_ID = 3?

```
72 SELECT M.match_date,M.score_team1,M.score_team2
73 FROM Matches AS M
74 WHERE M.match_id = 3;
```

OUTPUT

Query #10 **Execution time: 0ms**

match_date	score_team1	score_team2
2022-03-01	17	13



*Created
By*

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