SQL Challenge-2
[Esports Tournament]

Dataset and challenge credit-Steel Data and Matthew Steel

Database: esports ;
Tables: Teams, Players, matches.

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

Challenge intro

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?

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

select player_name,salary

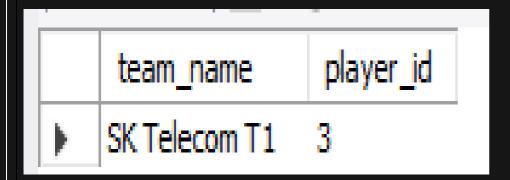from players

where salary > '100000'

order by salary desc;

Output 1:

player_name	salary
► ForceZ	130000
Joker	128000
Daron	125000
Faker	120000
Castle09	120000
Perkz	110000
Wringer	105000

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

select t.team_name,p.player_id

from teams as t inner join players as p

on t.team_id=p.player_id

where p.player_id='3';

Output 2:

team_name	player_id
SK Telecom T1	3

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

select t.team_name,count(p.player_name) as totalNoofPlayers

from teams as t inner join players as p

on t.team_id=p.team_id

group by t.team_name;

Output 3:

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

Query 4: What is the team name and captain name of the team with team_id = 2?
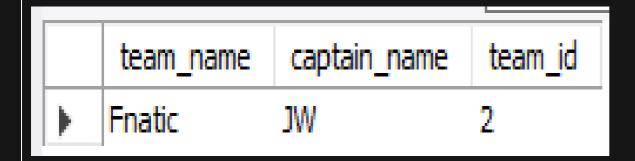
select t.team_name,p.player_name as captain_name,t.team_id

from teams as t inner join players as p

on t.team_id=p.player_id

where t.team_id='2';

Output 4:

team_name	captain_name	team_id
Fnatic	JW	2

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

select player_name,role as roles

from players

where team_id=1;

Output 5:

	player_name	roles
▶	Shroud	Rifler
	Castle09	AWP
	KL34	Mid Laner

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

select t.team_name as Teamnames,count(m.winner_id) as Matcheswon

from teams as t inner join matches as m

on t.team_id=m.winner_id

group by t.team_name

order by Matcheswon desc;

Output 6:

Teamnames	Matcheswon
SK Telecom T1	4
Cloud9	3
Fnatic	1
Team Liquid	1
G2 Esports	1

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

select t.team_name,Round(Avg(p.salary),2) as AvgSalary

from teams as t inner join players as p

on t.team_id=p.team_id

where t.country='USA'

group by t.team_name;

Output 7:

team_name	AvgSalary
Cloud9	101000.00
Team Liquid	93333.33

Query 8: Which team won the most matches?

select t.team_name,count(m.winner_id) as noOfMatchesWon

from teams as t inner join matches as m

on t.team_id=m.winner_id

group by t.team_name

order by noOfMatchesWon desc

limit 1;

Output 8:

team_name	noOfMatchesWon
▶ SK Telecom T1	4

Query 9: What are the team names and the number of players in each team whose salary is greater than 100,000?

select t.team_name ,count(p.player_name) as NoOfplayers

from teams as t inner join players as p

on t.team_id=p.team_id

where p.salary > 100000

group by t.team_name ;

Output 9:

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

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

select match_date as Date,score_team1,score_team2

from matches as m

where match_id=3;

Output 10:

Date	score_team1	score_team2
2022-03-01	17	13