**Challenge 2 - Esports Tournament**



**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?

**Tables**



CREATE TABLE Teams (

team\_id INT PRIMARY KEY,

team\_name VARCHAR(50) NOT NULL,

country VARCHAR(50),

captain\_id INT

);

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INSERT INTO Teams (team\_id, team\_name, country, captain\_id)

VALUES (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);

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CREATE TABLE Players (

player\_id INT PRIMARY KEY,

player\_name VARCHAR(50) NOT NULL,

team\_id INT,

role VARCHAR(50),

salary INT,

FOREIGN KEY (team\_id) REFERENCES Teams(team\_id)

);

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INSERT INTO Players (player\_id, player\_name, team\_id, role, salary)

VALUES (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);

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CREATE TABLE Matches (

match\_id INT PRIMARY KEY,

team1\_id INT,

team2\_id INT,

match\_date DATE,

winner\_id INT,

score\_team1 INT,

score\_team2 INT,

FOREIGN KEY (team1\_id) REFERENCES Teams(team\_id),

FOREIGN KEY (team2\_id) REFERENCES Teams(team\_id),

FOREIGN KEY (winner\_id) REFERENCES Teams(team\_id)

);

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INSERT INTO Matches (match\_id, team1\_id, team2\_id, match\_date, winner\_id, score\_team1, score\_team2)

VALUES (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;

#2. What is the team name of the player with player\_id = 3?

select t.team\_name

from Teams t join Players p

on t.team\_id=p.team\_id

where p.player\_id=3;

#3. What is the total number of players in each team?

select t.team\_id, count(p.player\_id) as total\_players

from Teams t join Players p

on t.team\_id=p.team\_id

group by t.team\_id;

#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\_of\_team

from Teams t join Players p

on t.captain\_id=p.player\_id

where t.team\_id=2;

#5. What are the player names and their roles in the team with team\_id = 1?

select player\_name, role

from Players

where team\_id=1;

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

select t.team\_name, count(m.winner\_id) as matches\_won

from Teams t join Matches m

on t.team\_id=m.winner\_id

group by m.winner\_id;

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

select avg(salary) as avg\_salary

from Players p join Teams t

on p.team\_id=t.team\_id

where t.country='USA';

#8. Which team won the most matches?

select t.team\_name, count(m.winner\_id) as matches\_won

from Teams t join Matches m

on t.team\_id=m.winner\_id

group by m.winner\_id

order by matches\_won desc limit 1;

#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\_id) as number\_of\_players

from Teams t join Players p

on t.team\_id=p.team\_id

where p.salary>100000

group by t.team\_name;

#10. What is the date and the score of the match with match\_id = 3?

select match\_date, score\_team1, score\_team2

from Matches

where match\_id=3;