



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?

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?

A:

```
SELECT player_name , salary  
FROM players  
WHERE salary>100000;
```

The screenshot shows a database interface with a table titled 'Data Output'. The table has two columns: 'player_name' (character varying) and 'salary' (integer). The data consists of seven rows, each with a number from 1 to 7 in the first column and a player name and salary in the second column. The total number of rows is 7, and the query was completed in 00:00:00.

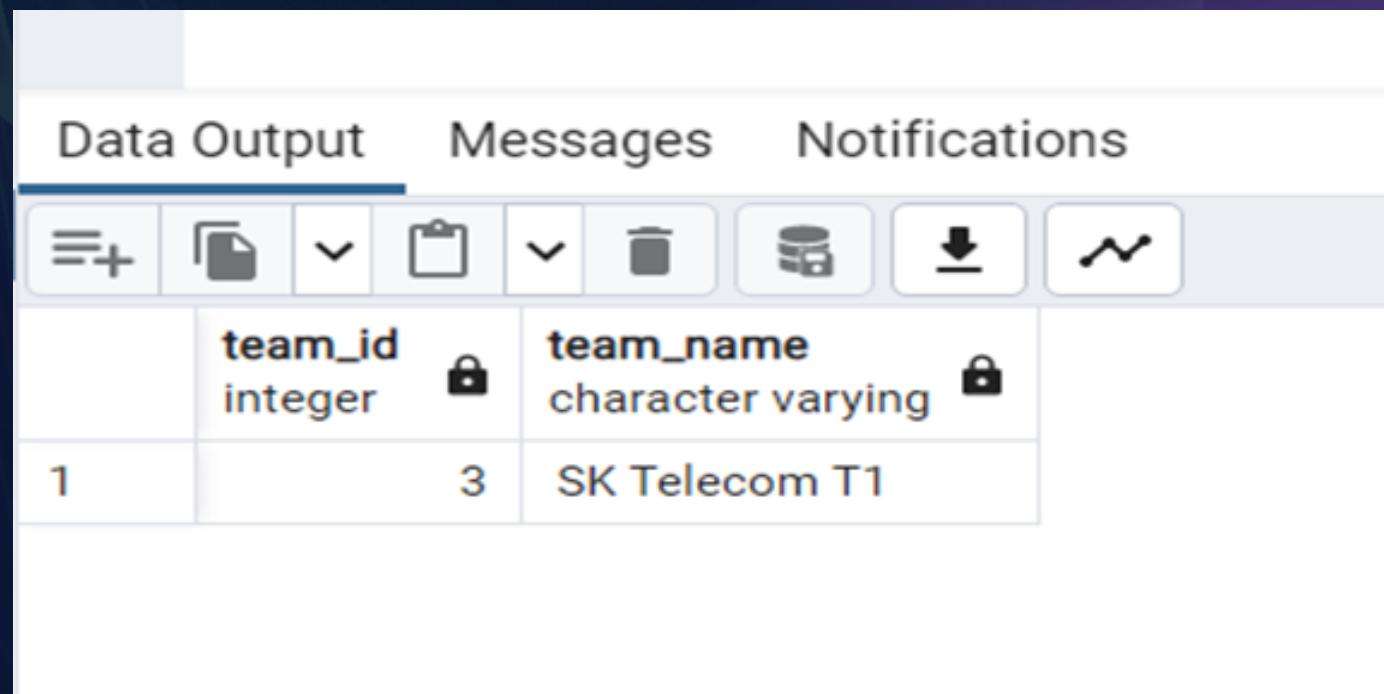
	player_name	salary
1	Faker	120000
2	Perkz	110000
3	Castle09	120000
4	Daron	125000
5	ForceZ	130000
6	Joker	128000
7	Wringer	105000

Total rows: 7 of 7 Query complete 00:00:00.

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

A.

```
SELECT p.team_id, t.team_name  
FROM players p  
JOIN teams t ON p.team_id=t.team_id  
WHERE player_id=3
```



The screenshot shows a database interface with a table structure. The table has two columns: 'team_id' and 'team_name'. The 'team_id' column contains the value 1, and the 'team_name' column contains the value 'SK Telecom T1'. The table is displayed in a grid format with a header row and a data row.

	team_id	team_name
1	3	SK Telecom T1

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

A.

```
SELECT team_id, COUNT(player_id) AS  
total_players  
FROM players  
GROUP BY 1  
ORDER BY 1 ASC;
```

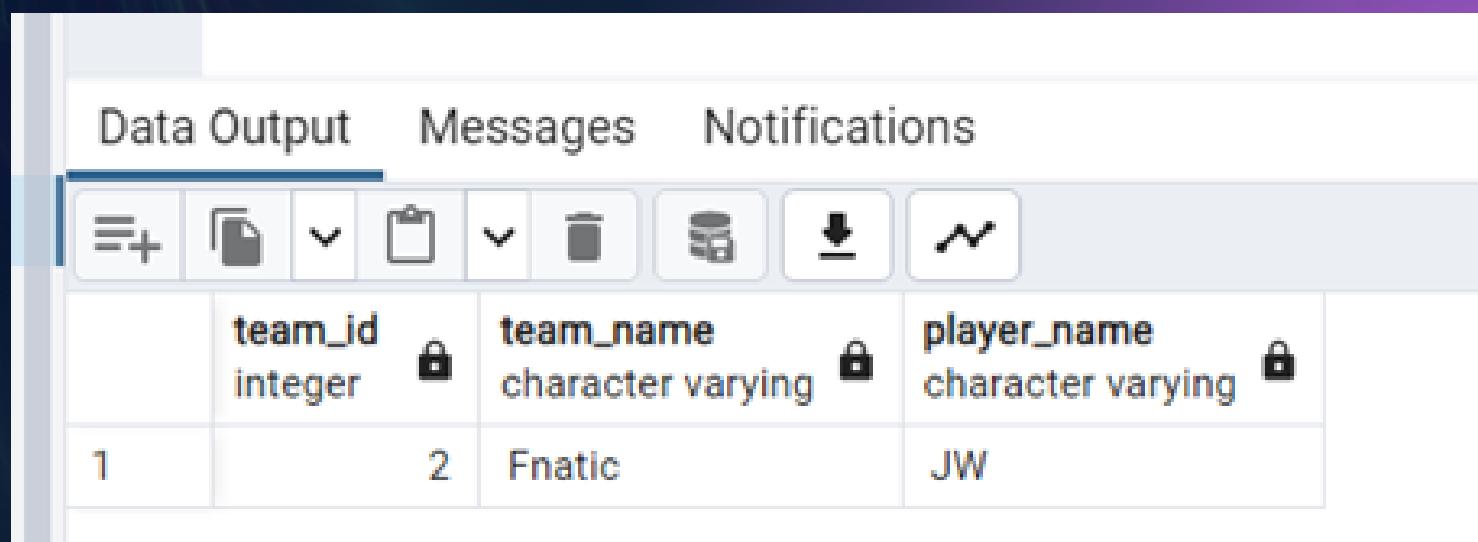
Data Output Messages Notifications

	team_id integer	total_players bigint
1	1	3
2	2	3
3	3	3
4	4	3
5	5	3

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

A:

```
SELECT t.team_id,t.team_name,p.player_name  
FROM teams t  
JOIN players p ON t.team_id=p.team_id  
WHERE t.team_id=2 AND p.player_id=2;
```



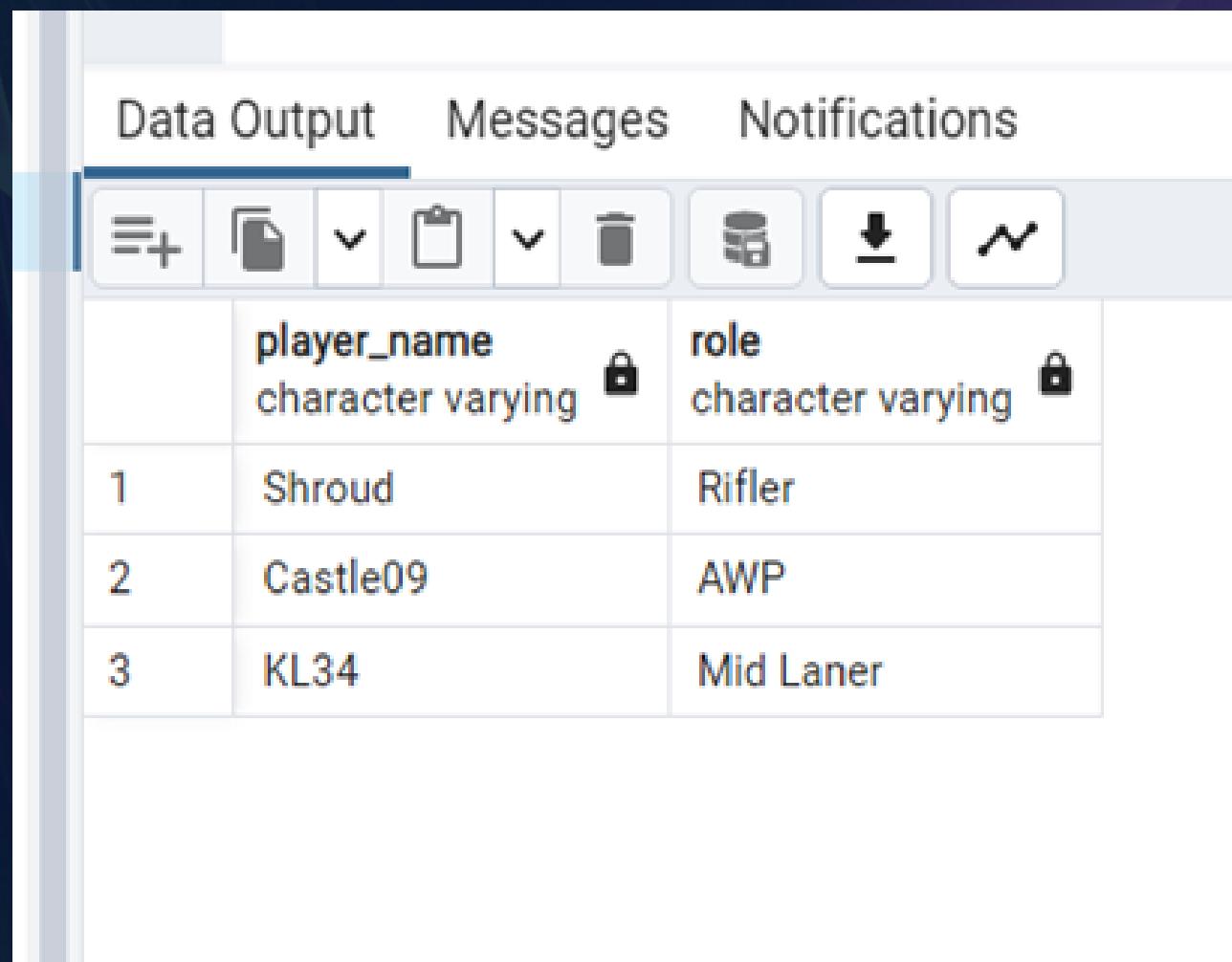
The screenshot shows a database interface with a toolbar at the top containing icons for Data Output, Messages, Notifications, and various file operations. Below the toolbar is a table with three rows of data. The table has four columns: team_id, team_name, and player_name, all of which are locked (indicated by a lock icon). The first row contains values 1, Fnatic, and JW respectively. The second and third rows are empty.

	team_id integer	team_name character varying	player_name character varying
1	2	Fnatic	JW

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

A:

```
SELECT player_name, role FROM players  
WHERE team_id=1;
```



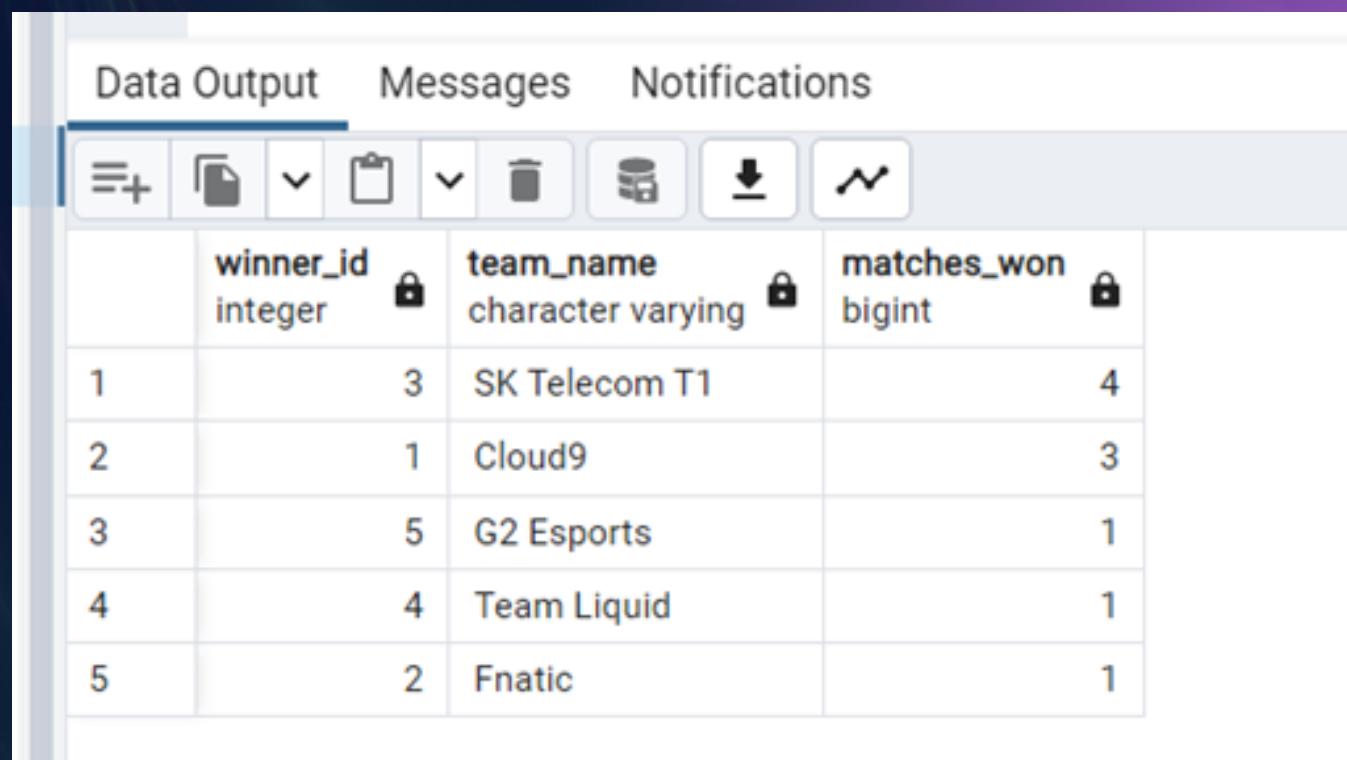
The screenshot shows a database interface with a table titled 'Data Output'. The table has three columns: 'player_name' (character varying) and 'role' (character varying), both with a lock icon, and an unnamed column containing the numbers 1, 2, and 3. The data is as follows:

	player_name	role
1	Shroud	Rifler
2	Castle09	AWP
3	KL34	Mid Laner

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

A:

```
SELECT m.winner_id,  
t.team_name,COUNT(m.winner_id) AS  
matches_won  
FROM matches m JOIN teams t ON  
m.winner_id=t.team_id  
GROUP BY 1,2  
ORDER BY 3 DESC
```



The screenshot shows a PostgreSQL Data Output window with three tabs: Data Output (selected), Messages, and Notifications. Below the tabs is a toolbar with various icons. The main area displays a table with five rows of data. The table has four columns: winner_id, team_name, and matches_won. The first column is labeled 'winner_id' and 'integer'. The second column is labeled 'team_name' and 'character varying'. The third column is labeled 'matches_won' and 'bigint'. The data is as follows:

	winner_id integer	team_name character varying	matches_won bigint
1	3	SK Telecom T1	4
2	1	Cloud9	3
3	5	G2 Esports	1
4	4	Team Liquid	1
5	2	Fnatic	1

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

A:

```
SELECT p.team_id, t.team_name, AVG(p.salary) AS avg_sal  
FROM players p  
JOIN teams t ON p.team_id=t.team_id  
GROUP BY 1,2  
ORDER BY 3 ASC;
```

Data Output Messages Notifications

	team_id integer	team_name character varying	avg_sal numeric
1	4	Team Liquid	93333.33333333333
2	2	Fnatic	96666.66666666667
3	1	Cloud9	101000.00000000000
4	5	G2 Esports	104333.33333333333
5	3	SK Telecom T1	124333.33333333333

8. Which team won the most matches?

A:

```
SELECT m.winner_id, t.team_name,COUNT(m.winner_id)
AS      matches_won
FROM    matches      m      JOIN    teams      t      ON
m.winner_id=t.team_id
GROUP BY 1,2
ORDER BY 3 DESC
```

Data Output Messages Notifications

	winner_id integer	team_name character varying	matches_won bigint
1	3	SK Telecom T1	4
2	1	Cloud9	3
3	5	G2 Esports	1
4	4	Team Liquid	1
5	2	Fnatic	1

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

A:

```
SELECT p.team_id,t.team_name, COUNT(p.player_id) AS  
Total_players  
FROM players p  
JOIN teams t ON p.team_id=t.team_id  
WHERE salary >100000  
GROUP BY 1,2  
order by 3;
```

	team_id	team_name	total_players
1	2	Fnatic	1
2	1	Cloud9	1
3	5	G2 Esports	2
4	3	SK Telecom T1	3

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

A:

```
SELECT match_date, score_team1, score_team2  
FROM matches  
WHERE match_id=3;
```

The screenshot shows a database interface with a toolbar at the top labeled "Data Output", "Messages", and "Notifications". Below the toolbar is a row of icons for file operations. The main area displays a table with three columns: "match_id", "match_date", and "score_team1, score_team2". The "match_id" column contains the value "1". The "match_date" column contains the value "2022-03-01". The "score_team1" and "score_team2" columns both contain the value "17".

	match_id	match_date	score_team1	score_team2
1		2022-03-01	17	13