

# SQL QUERIES

1. Calculate the average champion score and the average runner-up score and assign a rank to each row based on the year, ordered in ascending order.

```
SELECT Year,
Host,
Final_Champion,
Champion_score,
Runnerup_score,
Final_Runnerup,
Num_of_teams,
Matches,
Total_attendance,
AVG(Champion_score) OVER () AS Average_Champion_score, AVG(Runnerup_score)
OVER () AS Average_Runnerup_score, ROW_NUMBER()
OVER (ORDER BY Year) AS Rank
FROM Fifa;
```

Showing rows 0 - 21 (22 total, Query took 0.0012 seconds)

```
SELECT Year, Host, Final_Champion, Champion_score, Runnerup_score, Final_Runnerup, Num_of_teams, Matches, Total_attendance, AVG(Champion_score) OVER () AS Average_Champion_score, AVG(Runnerup_score) OVER () AS Average_Runnerup_score, ROW_NUMBER() OVER (ORDER BY Year) AS Rank
FROM Fifa;
```

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

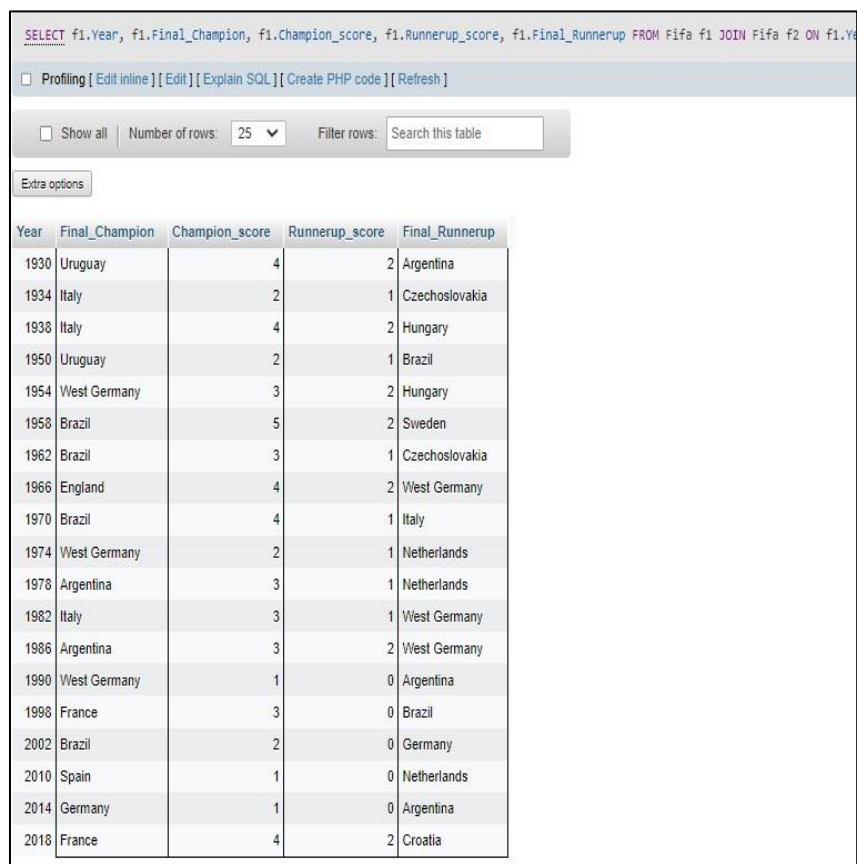
☐ Show all | Number of rows: 25 | Filter rows:

Extra options

Year	Host	Final_Champion	Champion_score	Runnerup_score	Final_Runnerup	Num_of_teams	Matches	Total_attendance	Average_Champion_score	Average_Runnerup_score	Rank
1930	Uruguay	Uruguay	4	2	Argentina	13	18	590549	2.6364	1.1364	1
1934	Italy	Italy	2	1	Czechoslovakia	16	17	363000	2.6364	1.1364	2
1938	France	Italy	4	2	Hungary	15	18	375700	2.6364	1.1364	3
1950	Brazil	Uruguay	2	1	Brazil	13	22	1045246	2.6364	1.1364	4
1954	Switzerland	West Germany	3	2	Hungary	16	26	760807	2.6364	1.1364	5
1958	Sweden	Brazil	5	2	Sweden	16	35	819810	2.6364	1.1364	6
1962	Chile	Brazil	3	1	Czechoslovakia	16	32	893172	2.6364	1.1364	7
1966	England	England	4	2	West Germany	16	32	1563135	2.6364	1.1364	8
1970	Mexico	Brazil	4	1	Italy	16	32	1603975	2.6364	1.1364	9
1974	West Germany	West Germany	2	1	Netherlands	16	38	1865753	2.6364	1.1364	10
1978	Argentina	Argentina	3	1	Netherlands	16	38	1545781	2.6364	1.1364	11
1982	Spain	Italy	3	1	West Germany	24	52	2109723	2.6364	1.1364	12
1986	Mexico	Argentina	3	2	West Germany	24	52	2394031	2.6364	1.1364	13
1990	Italy	West Germany	1	0	Argentina	24	52	2516215	2.6364	1.1364	14
1994	United States	Brazil	0	0	Italy	24	52	3587538	2.6364	1.1364	15
1998	France	France	3	0	Brazil	32	64	2785100	2.6364	1.1364	16
2002	South Korea Japan	Brazil	2	0	Germany	32	64	2705197	2.6364	1.1364	17
2006	Germany	Italy	1	1	France	32	64	3359439	2.6364	1.1364	18
2010	South Africa	Spain	1	0	Netherlands	32	64	3178856	2.6364	1.1364	19
2014	Brazil	Germany	1	0	Argentina	32	64	3429873	2.6364	1.1364	20
2018	Russia	France	4	2	Croatia	32	64	3031768	2.6364	1.1364	21
2022	Qatar	Argentina	3	3	France	32	64	3404252	2.6364	1.1364	22

## 2. Query to retrieve all matches between the champion and the runner-up in each World Cup

```
SELECT f1.Year,  
f1.Final_Champion,  
f1.Champion_score,  
f1.Runnerup_score,  
f1.Final_Runnerup  
FROM Fifa f1 JOIN Fifa f2 ON f1.Year = f2.Year  
WHERE f1.Final_Champion = f2.Final_Champion  
AND f1.Final_Runnerup = f2.Final_Runnerup  
AND f1.Champion_score > f1.Runnerup_score;
```



SELECT f1.Year, f1.Final\_Champion, f1.Champion\_score, f1.Runnerup\_score, f1.Final\_Runnerup FROM Fifa f1 JOIN Fifa f2 ON f1.Year = f2.Year WHERE f1.Final\_Champion = f2.Final\_Champion AND f1.Final\_Runnerup = f2.Final\_Runnerup AND f1.Champion\_score > f1.Runnerup\_score;

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

Year	Final_Champion	Champion_score	Runnerup_score	Final_Runnerup
1930	Uruguay	4	2	Argentina
1934	Italy	2	1	Czechoslovakia
1938	Italy	4	2	Hungary
1950	Uruguay	2	1	Brazil
1954	West Germany	3	2	Hungary
1958	Brazil	5	2	Sweden
1962	Brazil	3	1	Czechoslovakia
1966	England	4	2	West Germany
1970	Brazil	4	1	Italy
1974	West Germany	2	1	Netherlands
1978	Argentina	3	1	Netherlands
1982	Italy	3	1	West Germany
1986	Argentina	3	2	West Germany
1990	West Germany	1	0	Argentina
1998	France	3	0	Brazil
2002	Brazil	2	0	Germany
2010	Spain	1	0	Netherlands
2014	Germany	1	0	Argentina
2018	France	4	2	Croatia

### 3. Query to find all hosts whose names contain exactly five characters

```
SELECT *  
FROM Fifa  
WHERE Host LIKE '_____';
```

`SELECT * FROM Fifa WHERE Host LIKE '_____';`

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

Ed.	Year	Host	Final_Champion	Champion_score	Runnerup_score	Final_Runnerup	Third_place	Fourth-place	Num_of_teams	Matches	Total_attendance
2	1934	Italy	Italy	2	1	Czechoslovakia	Germany	Austria	16	17	363000
7	1962	Chile	Brazil	3	1	Czechoslovakia	Chile	Yugoslavia	16	32	893172
12	1982	Spain	Italy	3	1	West Germany	Poland	France	24	52	2109723
14	1990	Italy	West Germany	1	0	Argentina	Italy	England	24	52	2516215
22	2022	Qatar	Argentina	3	3	France	Croatia	Morocco	32	64	3404252

☐ Show all | Number of rows: 25 | Filter rows:

### 4. Query to find all champions whose names end with "y"

```
SELECT *  
FROM Fifa  
WHERE Final_Champion LIKE '%y';
```

`SELECT * FROM Fifa WHERE Final_Champion LIKE '%y';`

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

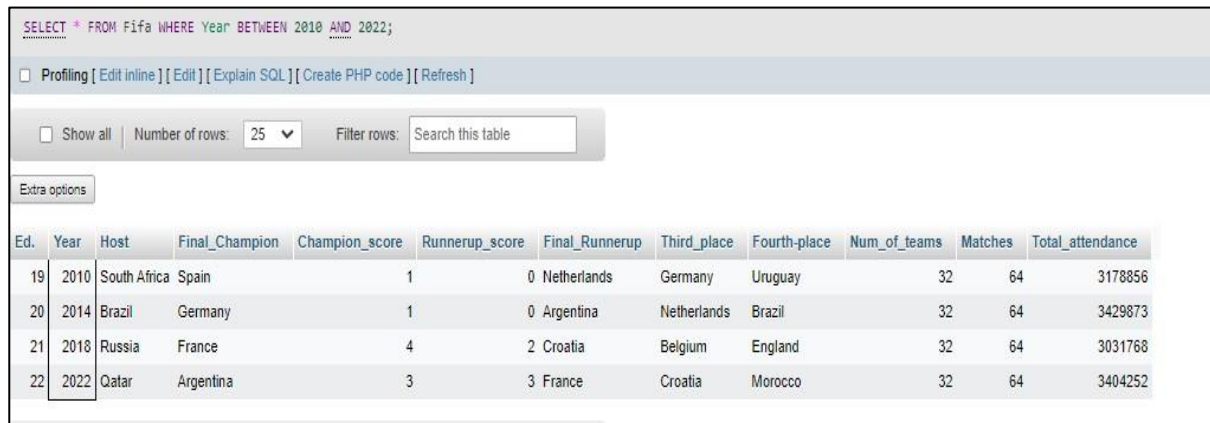
☐ Show all | Number of rows: 25 | Filter rows:

Extra options

Ed.	Year	Host	Final_Champion	Champion_score	Runnerup_score	Final_Runnerup	Third_place	Fourth-place	Num_of_teams	Matches	Total_attendance
1	1930	Uruguay	Uruguay	4	2	Argentina	United States	Yugoslavia	13	18	590549
2	1934	Italy	Italy	2	1	Czechoslovakia	Germany	Austria	16	17	363000
3	1938	France	Italy	4	2	Hungary	Brazil	Sweden	15	18	375700
4	1950	Brazil	Uruguay	2	1	Brazil	Sweden	Spain	13	22	1045246
5	1954	Switzerland	West Germany	3	2	Hungary	Austria	Uruguay	16	26	768607
10	1974	West Germany	West Germany	2	1	Netherlands	Poland	Brazil	16	38	1865753
12	1982	Spain	Italy	3	1	West Germany	Poland	France	24	52	2109723
14	1990	Italy	West Germany	1	0	Argentina	Italy	England	24	52	2516215
18	2006	Germany	Italy	1	1	France	Germany	Portugal	32	64	3359439
20	2014	Brazil	Germany	1	0	Argentina	Netherlands	Brazil	32	64	3429873

## 5. Query to retrieve matches played between the years 2010 and 2022

```
SELECT *  
FROM Fifa  
WHERE Year BETWEEN 2010 AND 2022;
```




The screenshot shows a database query interface with the following SQL query: `SELECT * FROM Fifa WHERE Year BETWEEN 2010 AND 2022;`. Below the query, there are options for Profiling, Edit inline, Edit, Explain SQL, Create PHP code, and Refresh. A control bar shows 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. An 'Extra options' button is also present. The results are displayed in a table with 12 columns: Ed., Year, Host, Final\_Champion, Champion\_score, Runnerup\_score, Final\_Runnerup, Third\_place, Fourth-place, Num\_of\_teams, Matches, and Total\_attendance. The table contains 4 rows of data for the years 2010, 2014, 2018, and 2022.

Ed.	Year	Host	Final_Champion	Champion_score	Runnerup_score	Final_Runnerup	Third_place	Fourth-place	Num_of_teams	Matches	Total_attendance
19	2010	South Africa	Spain	1	0	Netherlands	Germany	Uruguay	32	64	3178856
20	2014	Brazil	Germany	1	0	Argentina	Netherlands	Brazil	32	64	3429873
21	2018	Russia	France	4	2	Croatia	Belgium	England	32	64	3031768
22	2022	Qatar	Argentina	3	3	France	Croatia	Morocco	32	64	3404252

## 6. Query to retrieve the host countries that have not won any FIFA World Cup

```
SELECT Host  
FROM Fifa WHERE Host NOT IN  
( SELECT DISTINCT Final_Champion  
FROM Fifa );
```



The screenshot shows a database query interface with the following SQL query: `SELECT Host FROM Fifa WHERE Host NOT IN ( SELECT DISTINCT Final_Champion FROM Fifa );`. Below the query, there are options for Profiling, Edit inline, Edit, Explain SQL, Create PHP code, and Refresh. A control bar shows 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. An 'Extra options' button is also present. The results are displayed in a table with 1 column: Host. The table contains 10 rows of data, listing host countries that have not won the FIFA World Cup.

Host
Switzerland
Sweden
Chile
Mexico
Mexico
United States
South Korea
Japan
South Africa
Russia
Qatar