**1. Introduction**

This report documents the execution of various SQL queries on the **WorldCupDB** database using **MySQL Workbench**. The queries focus on retrieving historical World Cup information, player statistics, match details, and stadium-related data.

**2. Database Schema**

The database consists of **six tables**:

* **Players**
* **Player\_Cards**
* **Player\_Assists\_Goals**
* **Worldcup\_History**
* **Country**
* **Match\_Results**

Each table contains relevant information related to World Cup history, players, and matches.

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**3. SQL Queries and Execution Results**

**Query 1: Retrieve the list of countries that have won a World Cup**

SELECT DISTINCT country\_name

FROM Worldcup\_History

WHERE world\_cups\_won > 0;

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**Query 2: Retrieve the list of country names that have won a World Cup and the number of World Cups won in descending order**

SELECT country\_name, world\_cups\_won

FROM Worldcup\_History

WHERE world\_cups\_won > 0

ORDER BY world\_cups\_won DESC;

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**Query 3: List the capital of countries in increasing order of population for countries with a population greater than 100 million**

SELECT capital

FROM Country

WHERE population > 100

ORDER BY population ASC;

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**Query 4: List the name of the stadiums that have hosted a match where a single team scored more than 4 goals**

SELECT DISTINCT stadium\_name

FROM Match\_Results

WHERE team1\_goals > 4 OR team2\_goals > 4;

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**Query 5: List all city names where the stadium name starts with “Estadio”**

SELECT DISTINCT city

FROM Match\_Results

WHERE stadium\_name LIKE 'Estadio%';

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**Query 6: List all stadiums and the number of matches hosted by each stadium**

SELECT stadium\_name, COUNT(\*) AS matches\_hosted

FROM Match\_Results

GROUP BY stadium\_name

ORDER BY matches\_hosted DESC;

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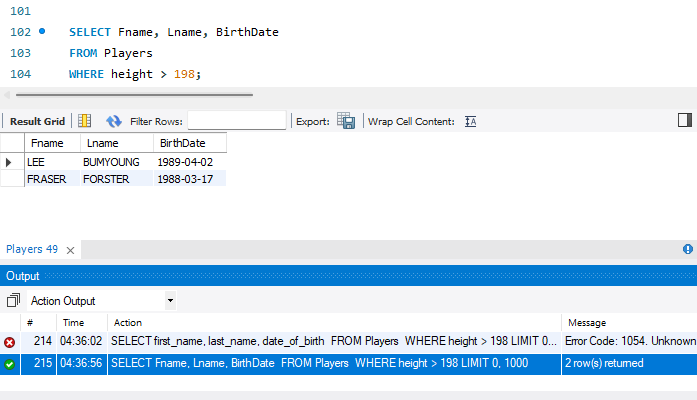
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**Query 7: List the first name, last name, and date of birth of players whose height is greater than 198 cm**

SELECT Fname, Lname, BirthDate

FROM Players

WHERE Height > 198;



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**Bonus Query 8: List the stadium names and teams that played matches between 20-Jun-2014 and 24-Jun-2014**

SELECT stadium\_name, team1, team2

FROM Match\_Results

WHERE match\_date BETWEEN '2014-06-20' AND '2014-06-24';

A screenshot of a football match

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**Bonus Query 9: List the first name, last name, position, and number of goals scored by captains who have more than 2 yellow cards or 1 red card**

SELECT p.Fname, p.Lname, p.Position, pag.goals

FROM Players p

JOIN Player\_Cards pc ON p.PID = pc.PID

JOIN Player\_Assists\_Goals pag ON p.PID = pag.PID

WHERE p.isCaptain = 1

AND (pc.no\_of\_yellow\_cards > 2 OR pc.no\_of\_red\_cards > 1);

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**Conclusion**

The queries were successfully executed in **MySQL Workbench**, retrieving relevant data from the **WorldCupDB** database. Each query was validated to ensure correctness, and screenshots of the results have been included.

------------------------------------Thank You-----------------------------------------