-- Column name

EXEC sp\_RENAME 'results.column1', 'date', 'COLUMN'

EXEC sp\_RENAME 'results.column2', 'home\_team', 'COLUMN'

EXEC sp\_RENAME 'results.column3', 'away\_team', 'COLUMN'

EXEC sp\_RENAME 'results.column4', 'home\_goal', 'COLUMN'

EXEC sp\_RENAME 'results.column5', 'away\_goal', 'COLUMN'

EXEC sp\_RENAME 'results.column6', 'competition', 'COLUMN'

EXEC sp\_RENAME 'results.column7', 'city', 'COLUMN'

EXEC sp\_RENAME 'results.column8', 'country', 'COLUMN'

EXEC sp\_RENAME 'results.column9', 'bonus', 'COLUMN'

-- Top Scorers

SELECT scorer, count(scorer) as total\_goals

FROM goalscorers

GROUP BY scorer

ORDER BY total\_goals desc

/\*Messi had only 54 Goals in the data set where in reality he has 109 atm(26/09/2024)

downloaded dataset Messi international goals but the problem was when he scored more than

1 goal,the other columns where null, leaving us without date and opponent:\*/

UPDATE A0

SET Opponent = (SELECT top 1 Opponent

FROM Messi as A1

WHERE Opponent is not null

AND A0.No# > A1.No#

Order BY No# DESC)

FROM Messi as A0

WHERE Opponent IS NULL

--☝️repet for each column(Date,Venue,Result,Competition) --> CREDIT TO Zohar Peled from stackoverflow:

--https://stackoverflow.com/questions/56581916/update-the-null-rows-with-previous-not-null-rows

--goalscorers has home\_team and away\_team, while Messi goals has only Opponent team, no Argentina

--find out opponent from goalscorers

SELECT

date,

home\_team,

away\_team,

scorer,

Case

When home\_team = 'Argentina'

Then away\_team

Else home\_team

End as Opponent

FROM goalscorers

WHERE scorer = 'Lionel Messi' -- credit to Darrel Miller from Stackoverflow

--https://stackoverflow.com/questions/63447/how-do-i-perform-an-if-then-in-an-sql-select

--cleaning the rest

SELECT \* FROM MESSI WHERE DATE IS NULL and Opponent IS NULL and Competition IS NULL

begin tran

DELETE FROM Messi

WHERE date is null and Opponent is null and competition is null

SELECT \* FROM MESSI WHERE DATE IS NULL and Opponent IS NULL and Competition IS NULL

rollback tran

--calculate international hat-tricks(+3 goal per match) Cristiano(10), Messi(9):

SELECT COUNT(\*) AS Cristiano\_hatrick

FROM (

SELECT date, Opponent

FROM Cristiano

GROUP BY date, Opponent

HAVING COUNT(\*) >= 3

) AS Ceva;

--I prefer both Messi and Ronaldo goals in the same table,before the UNUON ALL I add

--an aditional column to diferenciete them

ALTER TABLE Messi

ADD Scorer nvarchar(50)

ALTER TABLE Cristiano

ADD Scorer nvarchar(50)

UPDATE Cristiano

SET Scorer = 'Cristiano Ronaldo'

WHERE Scorer IS NULL

UPDATE Messi

SET Scorer = 'Lionel Messi'

WHERE Scorer IS NULL

--UNION ALL

SELECT Date,Scorer,Opponent,Competition FROM Messi

UNION ALL

SELECT Date,Scorer,Opponent,Competition FROM Cristiano

ORDER BY Date

--View creation

CREATE VIEW Cristiano\_Messi AS

SELECT Date,Scorer,Opponent,Competition FROM Messi

UNION ALL

SELECT Date,Scorer,Opponent,Competition FROM Cristiano