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My database project was built off the soccer team Real Madrid based in Spain. They are in the league called La Liga. I used the transfer market website as well as soccerpunter.com and espn.com for all my data. The data I obtained from these sources where the overall team stats throughout the 2023/24 season and the individual player stats. Some stats I loaded in were date and time of games and the score. I also did the venue of where each match was played. For individual player stats I loaded in goals, assist, yellow card and more. I found the name of Real Madrid’s coaches online, too. I did not have any major problems throughout the project, as it went smoothly and consistently. This was all my original work and was done individually. One thing that was challenging to figure out was how to properly format and insert the date/time values without error.

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EER:

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Dump Listing in order SELECT \* FROM Player; SELECT \* FROM Team; SELECT \* FROM Staff; SELECT \* FROM Matches; :

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Team ^

<- Matches

<- Staff

<- Players

MySQL:

-- 1. How many points Real Madrid won last season

Select play\_ID, SUM(Points) As total from Matches

Group by play\_ID with rollup;

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-- 2. The head coach and who he seclected to be a starter

-- ordered by player positioning

SELECT Player.F\_Name, Player.L\_Name, Player.Number, Player.Position, Staff.F\_Name, Staff.L\_Name Staff\_ID, Title

FROM Player JOIN Staff

ON Player.Team\_Team\_Id = Staff.Team\_Team\_Id

WHERE Title = 'Head Coach' AND isStarter = 1 ORDER BY Position;

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-- 3. How many goals Real Madrid scored as a team for the season

SELECT SUM(Goals) AS all\_goals FROM Player

GROUP BY 'Number' WITH ROLLUP;

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-- 4. Total games Real Madrid won by more than 1 goal

-- and which games they were

Select play\_ID, Count(play\_ID) From Matches

Where Points = 3 AND

Venue = 'Home' AND Score\_Home > Score\_Away AND Score\_Home - Score\_Away > 1 OR

Venue = 'Away' AND Score\_Home < Score\_Away AND Score\_Away - Score\_Home > 1

Group By play\_ID with rollup;

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-- 5. Show the highest valued player off the bench

-- who trains under the assistant coach

SELECT Value AS HIGH\_VALUE, p.F\_Name, p.L\_Name, s.F\_name, s.L\_Name, s.Staff\_ID, s.Title

FROM Player p JOIN Staff s ON p.Team\_Team\_Id = s.Team\_Team\_Id

WHERE isStarter = 0 AND Title LIKE 'Assistant C%'

#GROUP BY p.F\_Name, p.L\_Name, s.F\_name, s.L\_Name, s.Staff\_ID, s.Title

ORDER BY Value DESC

LIMIT 1;

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Elvis (Same order):

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