a. SELECT Season, COUNT(DISTINCT(Team)), PlayingSurface FROM SQLTestDATATeamGame

WHERE playingsurface = 'Artificial' AND season = 2008;

b. Season COUNT(DISTINCT(team)) PlayingSurface

2008 29 Artificial

a. SELECT Team, OpponentScore, HomeorAway FROM SQLTestDATATeamGame

WHERE homeoraway = 'HOME'

ORDER BY opponentscore DESC

LIMIT 3;

b. Team OpponentScore HomeorAway

KC 54 HOME

OAK 49 HOME

DET 48 HOME

a. CREATE TEMPORARY TABLE Player

SELECT Season, Team, Name, Position from PlayerGameMaster;

b. CREATE TEMPORARY TABLE Scores

SELECT Season, Team, Name, Position, PassingAttempts from PlayerGameMaster;

c. SELECT Player.\*, Scores.PassingAttempts

FROM Player

join Scores

ON Player.Season = Scores.Season AND Player.Team = Score.Team AND Player.Name= Score.Name AND Player.Position= Score.Position AND Player.PassingAttempts > 1

A primary key is a column or group of columns that uniquely identifies the row in that table.

A foreign key is a column or group of columns in a relational database that provides a connection between data in two tables.

A self join is a join of a table to it self. In self join we have just one table and only rows in that table are considered while in a cross join we join one table to another where rows in both tables are joined together.

An ER Diagram meaning Entity Relationship Diagram (ERD) is basically a snapshot of data structures meaning that it shows entities (tables) in a database and relationships between tables within that database.

"2014" "ARI" "Kevin Kolb" "QB" "27"

"2014" "ATL" "Matt Ryan" "QB" "47"

"2014" "BAL" "Joe Flacco" "QB" "29"

"2014" "BUF" "Ryan Fitzpatrick" "QB" "25"

"2014" "CAR" "Cam Newton" "QB" "37"

"2014" "CHI" "Jay Cutler" "QB" "32"

"2014" "CIN" "Bruce Gradkowski" "QB" "12"

"2014" "CIN" "Andy Dalton" "QB" "15"

"2014" "CLE" "Colt McCoy" "QB" "40"

"2014" "DAL" "Tony Romo" "QB" "36"

"2014" "DEN" "Kyle Orton" "QB" "46"

"2014" "DET" "Matthew Stafford" "QB" "33"

"2014" "GB" "Aaron Rodgers" "QB" "35"

"2014" "HOU" "Matt Schaub" "QB" "24"

"2014" "IND" "Kerry Collins" "QB" "31"

"2014" "JAX" "Luke McCown" "QB" "24"

"2014" "KC" "Matt Cassel" "QB" "36"

"2014" "MIA" "Chad Henne" "QB" "49"

"2014" "MIN" "Donovan McNabb" "QB" "15"

"2014" "NE" "Tom Brady" "QB" "48"