Updated text formatting:

--1. MOST POSTSEASON APPEARANCES

SELECT TeamName, COUNT(POSTSEASON.TeamID) AS PostseasonAppearances

FROM TEAM JOIN POSTSEASON

ON TEAM.TeamID = POSTSEASON.TeamID

GROUP BY TeamName

ORDER BY PostseasonAppearances DESC

--FETCH FIRST 10 ROWS only

;

--2. [CHART] TEAM GRADE BASED ON WIN PERCENTAGE in 2019

/\*A: 90-100, B: 75-90, C: 55-75, D: 40-55, F: 0-40\*/

SELECT CASE

WHEN (Wins/GamesPlayed)\*100 >= 0.00 AND (Wins/GamesPlayed)\*100 < 50.00 THEN 'F'

WHEN (Wins/GamesPlayed)\*100 >= 50.00 AND (Wins/GamesPlayed)\*100 < 70.00 THEN 'D'

WHEN (Wins/GamesPlayed)\*100 >= 70.00 AND (Wins/GamesPlayed)\*100 < 80.00 THEN 'C'

WHEN (Wins/GamesPlayed)\*100 >= 80.00 AND (Wins/GamesPlayed)\*100 < 90.00 THEN 'B'

ELSE 'A'

END AS Grade, COUNT(TeamID) AS TOTAL

FROM SEASON

WHERE SeasonYear = '2019'

GROUP BY CASE

WHEN (Wins/GamesPlayed)\*100 >= 0.00 AND (Wins/GamesPlayed)\*100 < 50.00 THEN 'F'

WHEN (Wins/GamesPlayed)\*100 >= 50.00 AND (Wins/GamesPlayed)\*100 < 70.00 THEN 'D'

WHEN (Wins/GamesPlayed)\*100 >= 70.00 AND (Wins/GamesPlayed)\*100 < 80.00 THEN 'C'

WHEN (Wins/GamesPlayed)\*100 >= 80.00 AND (Wins/GamesPlayed)\*100 < 90.00 THEN 'B'

ELSE 'A'

END

ORDER BY Grade ASC;

--3. WHICH CONFERENCE HAS THE MOST TEAMS THAT MADE THE POSTSEASON?

EACH YEAR?

SELECT ConferenceName, SeasonYear, COUNT(TeamID) AS TotalTeams

FROM CONFERENCE JOIN SEASON

ON CONFERENCE.ConferenceID = SEASON.ConferenceID

WHERE MakePostseason = '1'

GROUP BY SeasonYear, ConferenceName

HAVING COUNT(TeamID) > 2

ORDER BY ConferenceName ASC, SeasonYear ASC, TotalTeams DESC;

--3A. Total number of teams in the postseason over all years by conference

SELECT ConferenceName, COUNT(TeamID) AS TotalTeams

FROM CONFERENCE JOIN SEASON ON CONFERENCE.ConferenceID = SEASON.ConferenceID

WHERE MakePostseason = '1'

GROUP BY ConferenceName

ORDER BY ConferenceName ASC;

--4. How many teams are in each conference in 2019

SELECT ConferenceName, COUNT(SEASON.ConferenceID) AS TeamsInConference\_2019

FROM CONFERENCE JOIN SEASON

ON CONFERENCE.ConferenceID = SEASON.ConferenceID

WHERE SeasonYear = 2019

GROUP BY ConferenceName

ORDER BY TeamsInConference\_2019 DESC;

--4A

--5. 3 POINT SHOOTING PERCENTAGE FOR TEAMS WITH A WIN PERCENTAGE OVER 80%

SELECT SeasonYear, TeamName, ThreePoint\_O, TO\_CHAR(ROUND((Wins/GamesPlayed)\*100, 2), '99.99') || '%' AS WinPercentage

FROM SEASON JOIN TEAM ON SEASON.TeamID = TEAM.TeamID

WHERE (Wins/GamesPlayed)\*100 >= 80.00

ORDER BY SeasonYear DESC, WinPercentage DESC;

--6. Teams who made the postseason with a below average FTR for each year

SELECT SeasonYear, TeamName, FTR

FROM SEASON JOIN TEAM

ON SEASON.TeamID = TEAM.TeamID

WHERE MAKEPOSTSEASON = '1' AND FTR < (

SELECT AVG(FTR)

FROM SEASON)

ORDER BY SEASON.SeasonYear DESC, FTR DESC;

1. --MOST POSTSEASON APPEARANCES

select teamname, COUNT(postseason.teamid) as PostseasonAppearances

from team join postseason

on team.teamid = postseason.teamid

group by teamname

order by PostseasonAppearances desc

--fetch first 10 rows only

;

2. [CHART] --TEAM GRADE BASED ON WIN PERCENTAGE

A: 90-100

B: 75-90

C: 55-75

D: 40-55

F: 0-40

SELECT SeasonYear, TeamName, TO\_CHAR(ROUND((Wins/GamesPlayed)\*100, 2), '99.99') || '%' AS WinPercentage, CASE

WHEN (Wins/GamesPlayed)\*100 >= 0.00 AND (Wins/GamesPlayed)\*100 < 40.00 THEN 'F'

WHEN (Wins/GamesPlayed)\*100 >= 40.00 AND (Wins/GamesPlayed)\*100 < 55.00 THEN 'D'

WHEN (Wins/GamesPlayed)\*100 >= 55.00 AND (Wins/GamesPlayed)\*100 < 75.00 THEN 'C'

WHEN (Wins/GamesPlayed)\*100 >= 75.00 AND (Wins/GamesPlayed)\*100 < 90.00 THEN 'B'

ELSE 'A'

END AS Grade

FROM SEASON JOIN TEAM ON SEASON.TeamID = TEAM.TeamID

ORDER BY SeasonYear DESC, WinPercentage DESC;

3. --WHICH CONFERENCE HAS THE MOST TEAMS THAT MADE THE POSTSEASON EACH YEAR

SELECT SeasonYear, CONFERENCENAME, COUNT(TEAMID) AS TOTALTEAMS

FROM CONFERENCE JOIN SEASON

ON CONFERENCE.CONFERENCEID = SEASON.CONFERENCEID

WHERE MAKEPOSTSEASON = '1'

GROUP BY SeasonYear, CONFERENCENAME

Order By SeasonYear desc, TOTALTEAMS Desc

;

4. --How many teams are in each conference in 2019

SELECT CONFERENCENAME, COUNT(SEASON.CONFERENCEID) AS TEAMSINCONFERENCE

FROM CONFERENCE JOIN SEASON

ON CONFERENCE.CONFERENCEID = SEASON.CONFERENCEID

WHERE SEASONYEAR = 2019

GROUP BY CONFERENCENAME

ORDER BY TEAMSINCONFERENCE DESC;

5. --3 POINT SHOOTING PERCENTAGE FOR TEAMS WITH A WIN PERCENTAGE OVER 80%

SELECT SeasonYear, TeamName, ThreePoint\_O, TO\_CHAR(ROUND((Wins/GamesPlayed)\*100, 2), '99.99') || '%' AS WinPercentage

FROM SEASON JOIN TEAM ON SEASON.TeamID = TEAM.TeamID

WHERE (Wins/GamesPlayed)\*100 >= 80.00

ORDER BY SeasonYear ASC, WinPercentage ASC

;

6. Teams who made the postseason with a below average FTR for each year

Select SEASONYEAR, TEAMNAME, FTR

FROM SEASON join TEAM

ON SEASON.TEAMID = TEAM.TEAMID

WHERE MAKEPOSTSEASON = '1' and FTR <

(select AVG(ftr)

from season)

ORDER BY SEASON.SEASONYEAR desc, FTR desc;