SELECT \*

FROM `teak-runner-391307.european\_league.european\_league`

--Unique rounds played

SELECT ROUND, COUNT(ROUND) AS Number\_of\_appearances

FROM `teak-runner-391307.european\_league.european\_league`

GROUP BY ROUND

ORDER BY ROUND ASC;

--Total home games played by each team

SELECT Team, count(team) total\_home\_games

FROM `teak-runner-391307.european\_league.european\_league`

group by Team

--Data Cleaning On Round Column for consistency

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'round-16', 'ROUND 16')

WHERE Round = 'round-16'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'EIGHTH ROUND', 'ROUND 8')

WHERE Round = 'EIGHTH ROUND'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'FIFTH ROUND', 'ROUND 5')

WHERE Round = 'FIFTH ROUND'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'SECOND ROUND', 'ROUND 2')

WHERE Round = 'SECOND ROUND'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'SEVENTH ROUND', 'ROUND 7')

WHERE Round = 'SEVENTH ROUND'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'fifth-round', 'ROUND 5')

WHERE Round = 'fifth-round'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'final', 'FINAL')

WHERE Round = 'FINAL'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'first-round', 'ROUND 1')

WHERE Round = 'first-round'

UPDATE  `teak-runner-391307.european\_league.european\_league`

SET Round = REPLACE(Round, 'third-round', 'ROUND 3')

WHERE Round = 'third-round'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'fourth-round', 'ROUND 4')

WHERE Round= 'fourth-round'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'second-round', 'ROUND 2')

WHERE Round= 'second-round'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'round-64', 'ROUND 64')

WHERE Round= 'round-64'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'group-stage', 'GROUP STAGE')

WHERE Round= 'group-stage'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'group-stage', 'GROUP STAGE')

WHERE Round= 'group-stage'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'quarter-finals', 'QUARTER FINALS')

WHERE Round= 'quarter-finals'

UPDATE `teak-runner-391307.european\_league.european\_league`

SET Round= Replace(Round, 'second-group-stage', 'SECOND GROUP STAGE')

WHERE Round= 'second-group-stage'

--Checking whether there is a connection between round 128 and round 12

SELECT \*

FROM `teak-runner-391307.european\_league.european\_league`

WHERE Round= 'ROUND 128' OR Round='ROUND 12'

--Home games played by each team

SELECT distinct(team), count(team) as Number\_of\_home\_games

FROM `teak-runner-391307.european\_league.european\_league`

GROUP BY Team

--Total scores by each team in their home games

--Results is that Barcelona has scored more goal(2594 goals) in away matches having played 1115 matches

SELECT distinct(team), count(team) as Number\_of\_home\_games, sum(team\_score) as total\_scores\_home\_games

FROM `teak-runner-391307.european\_league.european\_league`

WHERE team\_score is not null

GROUP BY Team

ORDER BY total\_scores\_home\_games DESC

SELECT distinct(Opponent), count(Opponent) as Number\_of\_Away\_games

FROM `teak-runner-391307.european\_league.european\_league`

GROUP BY Opponent

ORDER BY Number\_of\_Away\_games DESC

--Total scores by each team in their away games

-- Results is that Barcelona has scored more goal(2594 goals) in away matches having played 1141 matches

-- Top 3 teams in terms of goals scored during away matches are Barcelona, Real Madrid and Bayern Munich

SELECT distinct(Opponent), count(Opponent) as Number\_of\_Away\_games, SUM(Opponent\_Score) as total\_away\_score

FROM `teak-runner-391307.european\_league.european\_league`

WHERE Opponent\_Score IS NOT NULL

GROUP BY Opponent

ORDER BY total\_away\_score DESC

--Summary for number of home games, away games and their respective total score per team

SELECT

  Team,

  COUNT(Team) AS Number\_of\_home\_games,

  SUM(team\_score) AS total\_scores\_home\_games,

  Opponent,

  COUNT(Opponent) AS Number\_of\_Away\_games,

  SUM(Opponent\_Score) AS total\_away\_score

FROM `teak-runner-391307.european\_league.european\_league`

WHERE team\_score IS NOT NULL

GROUP BY Team, Opponent

ORDER BY total\_scores\_home\_games DESC, total\_away\_score

--Total home points by each team in fa\_cup in year 2002

--Arsenal won fa cup in year 2002

SELECT DISTINCT(Team), count(Team) as number\_of\_fa\_cup\_home\_games, sum(Team\_Points) as Total\_fa\_cup\_points

FROM `teak-runner-391307.european\_league.european\_league`

Where competition= 'fa-cup' AND season= 2002

GROUP BY Team

ORDER BY Total\_fa\_cup\_home\_points DESC

--Confirming the number of games played by Arsenal during fa-cup in 2002 season

SELECT \*

FROM `teak-runner-391307.european\_league.european\_league`

Where competition= 'fa-cup' AND season= 2002

order by team

SELECT distinct(Competition),distinct(season)

FROM `teak-runner-391307.european\_league.european\_league`

group by season

SELECT MAX(Competition) AS Competition, season

FROM `teak-runner-391307.european\_league.european\_league`

GROUP BY season

--Summary of teams participated in Europa League finals and teams that won

SELECT Season,Team, Opponent, Team\_Points, Opponent\_Points,

FROM `teak-runner-391307.european\_league.european\_league`

WHERE Competition='uefa-europa-league' AND Round='FINAL'

order by season desc