```sql
--Exploratory data analysis on premier league season 2020/2021
--Here is the link to access the dataset https://www.kaggle.com/datasets/
  sumaya23abdul/english-premier-league-20202021

select * from dbo.epl_stat$

--players with most red card in the season

select Name,count(Red_cards)     as total_red_card
from dbo.epl_stat$
group by name
order by total_red_card desc


--club with most players above 30 years

select club,count(age)    as oldest_players
from dbo.epl_stat$
where age >= 30
group by club
order by oldest_players desc

--club with most players below 20 years

select club,count(age)    as Youngest_players
from dbo.epl_stat$
where age <= 20
group by club
order by Youngest_players desc

--players with most yellow card in the season

select Name,count(Yellow_Cards)     as total_yellow_card
from dbo.epl_stat$
group by name

--Number of non-england players in each club

select club,count(nationality)   as foreign_players
from dbo.epl_stat$
where Nationality<> 'ENG'
group by club
order by foreign_players desc

--Number of England players in each club

select club,count(nationality)    as England_players
from dbo.epl_stat$
where Nationality = 'ENG'
group by club
order by England_players desc
```

```sql
--Top five scorer in the season

select top(5) club,name,Goals
from dbo.epl_stat$
order by goals desc

--Top five players with highest assist in the season

select top(5) club,name,Assists
from dbo.epl_stat$
order by Assists desc

--players who didnt miss any match in the season

select name,starts
from dbo.epl_stat$
where starts= 38
order by starts desc

--club with most penalty attempted

select club,count(Penalty_Attempted) as most_penalty
from dbo.epl_stat$
group by club
order by most_penalty

--club with most penalty miss
select club,
sum(Penalty_Attempted-Penalty_Goals)   as penalty_miss
from dbo.epl_stat$
group by club
order by penalty_miss  desc

--The most foreign national in the premier league

select Nationality,count(*)  as most_national
from dbo.epl_stat$
where Nationality<>'ENG'
group by Nationality
order by most_national desc

--The top five best young players base on goals and assists

select top(5) Name,age,sum(Goals+Assists) as Rank
from dbo.epl_stat$
where age<=20
group by name,age
order by Rank desc

--clubs total goal

select club,sum(Goals)    as club_total_goal
```

```sql
from dbo.epl_stat$
group by club
order by club_total_goal desc

--percentage of each striker in club goals

with a1 as
    (select sum(goals) as total_goals
    from dbo.epl_stat$),
a2 as
    (select name,goals
    from dbo.epl_stat$
    where position = 'FW')
select goals/total_goals * 100
from a1
join a2 on a1.total_goals= a2.goals
```