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use ds_july_2025;
select * from fifa;
---#How many players are there in the dataset? ---#
select count(*) from fifa;
---# How many nationalities do these players belong to?--#
select nationality,count(distinct id) as total_cnt from fifa
group by nationality;
---#What is the total wage given to all players? What's the average and standard
deviation?--#
select sum(wage) as total_wage,
avg(wage) as average_wage,
stddev(wage) as stddev_wage from fifa;
---#Which nationality has the highest number of players, what are the top 3
nationalities by # of players?--#
select nationality,count(distinct id) as player_cnt from fifa
group by nationality
order by player_cnt desc
limit 3;
---#Which player has the highest wage? Who has the lowest?---#
select id,max(wage) as maximum_wage from fifa
group by id
order by max(wage)desc limit 1;

select id,min(wage) as minimum_wage from fifa
group by id
order by min(wage)asc limit 1;
#--The player having the – best overall rating? Worst overall rating?--#
-----#best#-----
select name,max(overall) as maximum_overall from fifa
group by name
order by max(overall) desc limit 1;
-----#worst#-----
select name,min(overall) as minimum_overall from fifa
group by name
order by min(overall) asc limit 1;
#--- Club having the highest total of overall rating? Highest Average of
overall rating?#---
select club,sum(overall) as total_overall from fifa
group by club
order by sum(overall) desc limit 1;
select club,avg(overall) as total_overall from fifa
group by club
order by avg(overall) desc limit 1;
#---What are the top 5 clubs based on the average ratings of their players
and their corresponding averages?---#
select club,avg(overall) as average_overall from fifa
group by club
order by avg(overall) desc limit 5;
---#What is the distribution of players whose preferred foot is left vs
right?--#
select preferred_foot,count(*) as player_cnt from fifa
where preferred_foot in('left','right')
group by preferred_foot
having count(*)>1
order by preferred_foot desc;
--#Which jersey number is the luckiest?#---

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select Jersey_Number, COUNT(*) AS HighPotentialPlayers from Fi fa
where Potential >= 85
group by Jersey_Number
having COUNT(*) > 5
order by HighPotentialPlayers DESC
limit 1;
---#What is the frequency distribution of nationalities among players whose club
name starts with M?#---
select club,nationality,count(*) as total_cnt_players from fi fa
where club like 'M%'
group by club,nationality
order by count(*) desc;
---#How many players have joined their respective clubs in the date range 20 May
2018 to 10 April 2019 (both inclusive)?
select count(*) from fi fa
where joined between '20 May 2018' and '10 April 2019';
#How many players have joined their respective clubs date wise?
select date(str_to_date(joined, '%Y-%m-%d'))as joined_date,club,count(id) from
fi fa
group by 1,2;
----#How many players have joined their respective clubs yearly?#----
select year(str_to_date(joined, '%Y-%m-%d'))as joined_year,club,count(id) from
fi fa
group by 1,2;

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