SQL Assignment

select \* from players\_data;

select count(\*) from players\_data;

#How many players are there in the dataset?

SELECT COUNT(\*) AS total\_players

FROM players\_data;

#How many nationalities do these players belong to?

SELECT COUNT(DISTINCT Nationality) AS total\_nationalities

FROM players\_data;

#What is the total wage given to all players? What's the average and standard deviation?

select sum(wage)as total\_wages,avg(wage) as avg\_wages,stddev(wage) as std\_wages from players\_data;

##----Which nationality has the highest number of players, what are the top 3 nationalities by # of players?

select nationality,count(\*) as player\_count from players\_data

group by Nationality

order by player\_count desc

limit 3;

# #-----Which player has the highest wage? Who has the lowest?-----#

select \* from players\_data limit 10;

select name,wage

from players\_data

where wage=(select max(Wage) from players\_data);

select name,wage

from players\_data

where wage=(select min(wage) from players\_data);

##-----The player having the – best overall rating? Worst overall rating?-----#

select name,Potential

from players\_data

where potential=(select max(Potential) from players\_data);

select name,Potential

from players\_data

where potential=(select min(Potential) from players\_data);

##-----Club having the highest total of overall rating? Highest Average of overall rating?-----#

select club,avg(overall)as avg\_overall

from players\_data

where club is not null

group by club

#-----What are the top 5 clubs based on the average ratings of their players and their corresponding averages?-----#

select name,club,avg(potential) as avg\_potential

from players\_data

where club is not null

group by club,Name

order by avg\_potential desc

limit 5;

#-----What is the distribution of players whose preferred foot is left vs right?-----#

select \* from players\_data limit 10;

select preferred\_foot,count(\*) as cnt\_pref from players\_data

group by preferred\_foot;

#-----Which jersey number is the luckiest?-----#

select jersey\_number,avg(overall) avg\_overall\_potential,count(\*) as cnt\_palyers

from players\_data

where jersey\_number is not null

group by Jersey\_Number

order by avg\_overall\_potential desc

limit 1;

#-----What is the frequency distribution of nationalities among players whose club name starts with M?-----#

SELECT Nationality, COUNT(\*) AS player\_count

FROM players\_data

WHERE Club LIKE 'M%'

GROUP BY Nationality

ORDER BY player\_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(\*) AS player\_count

FROM players\_data

WHERE STR\_TO\_DATE(Joined, '%d-%m-%Y')

BETWEEN '2018-05-20' AND '2019-04-10';

#-----How many players have joined their respective clubs date wise?-----#

SELECT

STR\_TO\_DATE(Joined, '%d-%m-%Y') AS join\_date,

COUNT(\*) AS player\_count

FROM

players\_data

WHERE

Joined IS NOT NULL

GROUP BY

STR\_TO\_DATE(Joined, '%d-%m-%Y')

ORDER BY

join\_date;

#-----How many players have joined their respective clubs yearly?-----#

SELECT

YEAR(STR\_TO\_DATE(Joined, '%d-%m-%Y')) AS join\_year,

COUNT(\*) AS player\_count

FROM

players\_data

WHERE

Joined IS NOT NULL

GROUP BY

join\_year

ORDER BY

join\_year;