Create database first\_assignment\_db;

use first\_assignment\_db;

# How to display all Rows and Columns in the given dataset?

select \* from fifa\_data;

# How many records in the given dataset ?

select count(\*) as cnt from fifa\_data;

# How many players are there in the dataset?

select count(distinct ID) as dis\_id from fifa\_data;

# How many nationalities do these players belongs to ?

select count(distinct nationality) as cnt\_dis\_nal from fifa\_data;

# 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 avg\_wag,

stddev(wage) as std\_wag from fifa\_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 fifa\_data

group by nationality

order by player\_count desc

limit 3;

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

select \* from fifa\_data;

select name,wage from fifa\_data

order by wage desc

limit 1;

select name from fifa\_data

order by wage asc

limit 1;

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

select name ,overall from fifa\_data

order by overall desc

limit 1;

select name,overall from fifa\_data

order by 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\_data

group by club

order by total\_overall desc

limit 1;

select club, avg(overall) as avg\_overall from fifa\_data

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 \* from fifa\_data;

select club, avg(overall)as avg\_overall from fifa\_data

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\_count from fifa\_data

group by preferred\_foot;

# Which jersey number is the luckiest?

select \* from fifa\_data;

select jersey\_number,avg(potential) as avg\_potential

from fifa\_data

group by jersey\_number

order by avg\_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 fifa\_data

where club like "M%"

group by nationality

order by player\_count;

# 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 fifa\_data

where joined between '20-05-2018' and '10-04-2019';

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

select joined,count(\*) as player\_joined from fifa\_data

group by joined

order by joined asc;

# How many players have joined their respective clubs yearly ?

select \* from fifa\_data;

select club,count(\*) as player\_joined from fifa\_data

group by club

order by club;