MySQL Assignment 1

- **How many players are there in the dataset?**

  select count(*) from fifa;

- **How many nationalities do these players belong to?**

  select count(distinct nationality) from fifa;

- **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 standard_deviation from fifa;

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

  select nationality, count(*) from fifa group by nationality order by count(*) desc limit 3;

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

  select *from fifa

  order by wage desc limit 1;

  select*from fifa order by wage asc limit 1;

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

  Select*from fifa

  order by overall desc limit 1;

  select* from fifa 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_rating,avg(overall) as average_rating from fifa

  group by Club;

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

  select club,avg(overall) as average_rating,avg(potential) as corresponding_average from fifa group by club limit 5;

- **What is the distribution of players whose preferred foot is left vs righ?**

  select preferred_foot,count(*) from fifa

   group by Preferred_Foot;

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

  select jersey_number,max(overall),avg(overall),max(value),max(wage) from fifa group by Jersey_Number limit 1;

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

  select nationality,club from fifa

  where club like 'M%'

  group by Nationality,club;

- **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_joined from fifa where joined between '2018-05-20' and '2019-04-10' ;

  How many players have joined their respective clubs date wise?

  select joined,count(*) as player from fifa

  group by Joinedorder by Joined asc;

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

  select count(*) as player_count, club,year(joined) from fifa

  group by club,year(joined);