

1. How many players are there in the dataset?

```
Sql>select count(*) as total_players from fifa;
```

2. How many nationalities do these players belong to?

```
Sql>select count(distinct Nationality) from fifa;
```

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

```
Sql>select sum(wage) as total_wage,  
avg(wage) as avg_wages,  
stddev(wage) as stddev_wages  
from fifa;
```

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

```
Sql>select nationality,  
count(*) as player_count from fifa  
group by nationality  
order by count(nationality) desc limit 3 ;
```

5. Which player has the highest wage? Who has the lowest?

```
Sql>select name,wage from fifa  
where wage=(select min(wage) from fifa)  
or wage=(select max(wage) from fifa);  
(or)
```

For an highest wage

```
Sql> select *  
from fifa  
order by wage desc  
limit 1;
```

For an lowest wages

```
Sql> select *  
from fifa  
order wage asc  
limit 1;  
(but in these case where we display all record)
```

6. The player having the – best overall rating? Worst overall rating?
Worst overall rating-

```
Sql> select *from fifa  
order by Overall asc limit 1;
```

best overall rating-

```
select *from fifa  
order by Overall desc limit 1;  
(or)
```

```
Sql> select name,overall from fifa  
where overall=(select min(overall) from fifa)  
or overall =(select max(overall) from fifa) ;
```

7. Club having the highest total of overall rating? Highest Average of overall rating?

```
Sql>select club,  
sum(overall) as total_rating,  
avg(overall) as avg_rating  
from fifa  
group by club  
order by avg(overall) desc limit 1;
```

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

```
Sql>select club,  
avg(overall) as average_rating  
from fifa  
group by club  
order by average_rating desc  
limit 5;
```

9. What is the distribution of players whose preferred foot is left vs right?

```
Sql>select Preferred_Foot,  
count(*) as cnt  
from fifa  
group by Preferred_Foot;
```

10. Which jersey number is the luckiest?

a) Jersey number with highest total player value

```
Sql>select jersey_number,  
sum(value) as total_value  
from fifa  
group by jersey_number  
order by total_value desc  
limit 1;
```

b) Jersey number with highest average player rating

```
Sql>select jersey_number,  
avg(overall) as avg_rating  
From fifa  
group by jersey_number  
order by avg_rating desc  
limit 1;
```

c) Most common jersey number

```
Sql>select jersey_number, count(*) as count  
from fifa  
group by jersey_number  
order by count desc  
limit 1;
```

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

```
Sql> select nationality,  
club ,  
count(*) as cnt from fifa  
where club like 'm%'  
group by club,Nationality  
order by count(*) desc;
```

12. How many players have joined their respective clubs in the date range 20 May 2018 to 10 April 2019 (both inclusive)?

```
Sql>select count(*) as player_joined  
  
from fifa
```

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

NOTE:In these we need to change the date format “dd-mm-yyyy” to “yyyy-mm-dd”

13. How many players have joined their respective clubs date wise

```
Sql>select count(*) as player_cnt,  
club,  
joined  
from fifa  
group by joined,Club;
```

14 . How many players have joined their respective clubs yearly?

```
Sql> select count(*) as player_count,  
  
club,year(joined)  
  
from fifa_data  
  
group by club,year(joined);
```