1)    Посчитать количество матчей, в которых больше голов забила команда на своем поле;

select count(\*) as match\_count

from `match`

where home\_team\_goal > away\_team\_goal

Ответ:11917

  2) Вывести сезоны, лиги и этапы, во время которых среднее количество голов по всем матчам этапа > 3

select season, stage, `name`, avg(home\_team\_goal + away\_team\_goal) as avg\_goals

FROM `match` JOIN league

ON `match`.league\_id = league.id

group by season, stage, `name`

having avg\_goals > 3

3)  Вывести для каждой команды средний показатель buildUpPlaySpeed и средний показатель buildUpPlayPassing. Верно ли, что если средний buildUpPlaySpeed у команды больше, то больше и средний buildUpPlayPassing?

select team\_api\_id,

avg(buildUpPlaySpeed),

avg(buildUpPlayPassing)

FROM team\_attributes

group by team\_api\_id

order by avg(buildUpPlaySpeed)

Ответ: неверно

4)    Вывести сезон, название лиги и дату последнего матча лиги в сезоне

select `name`, season, max(`date`) as max\_date

FROM `match` JOIN league

on `match`.league\_id = league.id

group by season, `name`

5)    Для каждой команды вывести количество сыгранных матчей

SELECT

h.home + a.away as m, a.api\_id as team\_api\_id

FROM

(SELECT COUNT(home\_team\_api\_id) as home,

home\_team\_api\_id as api\_id

FROM `match`

GROUP BY home\_team\_api\_id) as h

JOIN

(SELECT COUNT(away\_team\_api\_id) as away,

away\_team\_api\_id as api\_id

FROM `match`

GROUP BY away\_team\_api\_id) as a

ON h.api\_id = a.api\_id

6)    Вывести названия команд, которые ни разу не играли последней игре сезона (у каждой лиги последний матч сезона свой)

select distinct team\_long\_name

from team

left join

(

select `match`.league\_id, `match`.season, `match`.home\_team\_api\_id, `match`.away\_team\_api\_id, t1.max\_date

from

(

select league\_id, season, max(`date`) as max\_date

from `match`

group by league\_id, season

) as t1

join `match` on t1.league\_id = `match`.league\_id and t1.season = `match`.season and t1.max\_date = `match`.date

) as t2

on (team\_api\_id = t2.home\_team\_api\_id

or team\_api\_id = t2.away\_team\_api\_id)

where (t2.home\_team\_api\_id is null

or t2.away\_team\_api\_id is null)

7) Вывести названия команд, которые играли в последней игре сезона (у каждой лиги последний матч сезона свой)

select distinct team\_long\_name

from team

left join

(

select `match`.league\_id, `match`.season, `match`.home\_team\_api\_id, `match`.away\_team\_api\_id, t1.max\_date

from

(

select league\_id, season, max(`date`) as max\_date

from `match`

group by league\_id, season

) as t1

join `match` on t1.league\_id = `match`.league\_id and t1.season = `match`.season and t1.max\_date = `match`.date

) as t2

on (team\_api\_id = t2.home\_team\_api\_id

or team\_api\_id = t2.away\_team\_api\_id)

where (t2.home\_team\_api\_id is not null

or t2.away\_team\_api\_id is not null)

8) Какая команда забила меньше всего голов (сумма за весь период наблюдения) и сколько голов?

select team\_long\_name,

t3.goals

from team join

(select

t1.goals + t2.goals as goals,

t2.api\_id as team\_api\_id

from

(select sum(home\_team\_goal) as goals,

home\_team\_api\_id as api\_id

from `match`

group by api\_id) as t1

join

(select sum(away\_team\_goal) as goals,

away\_team\_api\_id as api\_id

from `match`

group by api\_id) as t2

on t1.api\_id = t2.api\_id) as t3

on team.team\_api\_id = t3.team\_api\_id

order by goals

limit 1

Ответ: AC Arles-Avignon, 21 гол

9) Вывести наибольшую среднюю силу удара.

select max(t.avg\_power)

FROM

(

select player\_api\_id,

avg(shot\_power) as avg\_power

FROM player\_attributes

GROUP BY player\_api\_id

) as t