

- 1.) First 10 matches of the EPL:
select * from "epl" LIMIT 10

	Season_End_Year bigint	Wk bigint	Date date	Home character varying (75)	HomeGoals bigint	AwayGoals bigint	Away character v
1	1993	1	1992-08-15	Coventry City	2	1	Middlesbrough
2	1993	1	1992-08-15	Leeds United	2	1	Wimbledon
3	1993	1	1992-08-15	Sheffield Utd	2	1	Manchester United
4	1993	1	1992-08-15	Crystal Palace	3	3	Blackburn Rovers
5	1993	1	1992-08-15	Arsenal	2	4	Norwich City
6	1993	1	1992-08-15	Ipswich Town	1	1	Aston Villa
7	1993	1	1992-08-15	Everton	1	1	Sheffield Wednesday
8	1993	1	1992-08-15	Southampton	0	0	Tottenham Hotspur
9	1993	1	1992-08-15	Chelsea	1	1	Oldham Athletic
10	1993	1	1992-08-16	Nottingham Forest	1	0	Liverpool

total rows: 10 of 10 Query complete 00:00:00.168

- 2.) # of Matches in 1993:

**select count(*) from "epl"
where "Season_End_Year" = 1993**

	count bigint
1	462

- 3.) Show the list of years in the league descending:
**select distinct("Season_End_Year") from " epl "
order by "Season_End_Year" desc**

	Season_End_Year bigint
1	2023
2	2022
3	2021
4	2020
5	2019
6	2018
7	2017
8	2016
9	2015
10	2014
11	2013
12	2012

Total rows: 31 of 31 Query complete 00:00:00.446

- 4.) prove that Liverpool was really in for all seasons:
**select count(distinct("Season_End_Year")) from " epl "
where "Home" = 'Liverpool'**

(there should be 31 seasons)

	count bigint
1	31

- 5.) The # of home goals scored from 1993 in descending order:
 select "Home", sum("HomeGoals") as "All goals scored Home"
 from " epl "
 group by "Home"
 ORDER by sum("HomeGoals") desc

Data Output Messages Notifications		
	Home character varying (75)	All goals scored Home numeric
1	Manchester Utd	1250
2	Arsenal	1207
3	Liverpool	1202
4	Chelsea	1141
5	Tottenham	1032
6	Manchester City	1017
7	Everton	897
8	Newcastle Utd	867
9	West Ham	756
10	Aston Villa	717
11	Southampton	647
12	Blackburn	545
Total rows: 50 of 50 Query complete 00:00:00.110		

- 6.) The # of away goals scored from 1993, having score more than 450 goals, in team-alphabetic order:

```
select "Away", sum("AwayGoals") as "All goals scored Away"
from " epl "
group by "Away"
having sum("AwayGoals") > 450
ORDER by "Away"
```

Data Output Messages Notifications		
	Away character varying (75)	All goals scored Away numeric
1	Arsenal	898
2	Aston Villa	599
3	Chelsea	870
4	Everton	628
5	Liverpool	894
6	Manchester City	735
7	Manchester Utd	993
8	Newcastle Utd	578
9	Southampton	467
10	Tottenham	783
11	West Ham	521
Total rows: 11 of 11 Query complete 00:00:00.108		

- 7.) list of premier league team names contains 'oo' or 'City' (CASE SENSITIVE!)

```
select distinct("Home") from " epl "
where "Home" like '%oo%' or "Home" like '%City%'
```

Data Output Messages Notifications	
	Home character varying (75)
1	Bradford City
2	Hull City
3	Swansea City
4	Coventry City
5	Manchester City
6	Blackpool
7	Leicester City
8	Norwich City
9	Birmingham City
10	Stoke City
11	Cardiff City
12	Liverpool

- 8.) Count of all matches Liverpool won during this time:

376 at home, 252 wins at home, total 628:

for the total:

```
select count(*) as "All Liverpool Wins" from " epl "
where ("Away" = 'Liverpool' and "FTR" = 'A') or
("Home" = 'Liverpool' and "FTR" = 'H')
```

Data Output Messages Notifications		
	All Liverpool Wins bigint	
1	628	

9.) The # of EPL matches since the middle time + 5 years of the EPL (ca. 2012): 4180

```
select count(*) from " epl "
where ("Season_End_Year" - 5) >
(select avg("Season_End_Year") from "EPL" )
```

Data Output	Messages	Notifications
	count bigint	
1	4180	

10.) The # of EPL matches since the middle time + 5 years of the EPL, when the average is casted (ca. 2013): 3800

THE DIFFERENCE IS THAT WHEN CASTING TO DECIMALS; IT GOES TO THE NEXT INTEGER; SO THE COMPARISON IS NOT WITH 2007 BUT WITH 2008!!

```
select count(*) from " epl "
where ("Season_End_Year" - 5) >
(select CAST(avg("Season_End_Year") as decimal (4,0)) from "EPL" )
```

Data Output	Messages	Notifications
	count bigint	
1	3800	

11.) The list of the top 10 premier league teams according to the length of their names, in descending order:

```
select "Home", length("Home") from " epl "
group by "Home"
order by length("Home") desc
limit 10
```

Data Output	Messages	Notifications
	Home character varying (75)	length integer
1	Oldham Athletic	15
2	Nott'ham Forest	15
3	Birmingham City	15
4	Manchester City	15
5	Leicester City	14
6	Wigan Athletic	14
7	Crystal Palace	14
8	Sheffield Weds	14
9	Manchester Utd	14
10	Coventry City	13

12.) Some statistical Data on away goals (e.g.: min/max/avg/sum...):

```
select min("AwayGoals") as "Number of minimum away goals",
max("AwayGoals") as "Number of maximum away goals",
round(avg("AwayGoals"),1) as "Average number of away goals",
sum("AwayGoals") as "Sum of away goals"
from " epl "
```

Data Output	Messages	Notifications
	Number of minimum away goals bigint	Number of maximum away goals bigint
		Average number of away goals numeric
		Sum of away goals numeric
1	0	9
		1.1
		13740

13.) Calculate the mean away goals values:

```
select "AwayGoals", count(*) as "Frequency" from " epl "  
group by "AwayGoals"  
order by "Frequency" desc  
limit 1
```

Data Output			Messages	Notifications
	AwayGoals bigint	Frequency bigint		
1	1	4165		