

## WEEK 6 – HOMEWORK 1

**/\*Create table and relation\*/**

```
create table team (  
    id varchar(10) not null,  
    team_api_id varchar(10),  
    team_fifa_api_id varchar(10),  
    team_long_name varchar(100),  
    team_short_name varchar(40),  
    constraint team_pk primary key (id)  
);
```

```
create table matches (  
    id varchar(10) not null,  
    league_id varchar(10),  
    season varchar(10),  
    "date" date,  
    home_team_api_id varchar(10),  
    away_team_api_id varchar(10),  
    home_team_goal int,  
    away_team_goal int,  
    constraint matches_pk primary key (id)  
);
```

```
create table leagues (  
    id varchar(10) not null,  
    country_id varchar(10),  
    name varchar(100),  
    constraint leagues_pk primary key (id)  
);
```

```
alter table european_football.matches  
add constraint leagues_matches_fk  
    foreign key (league_id) references european_football.leagues(id);
```

```
alter table european_football.matches  
add constraint team_matches_fk  
    foreign key (home_team_api_id) references  
european_football.team(team_fifa_api_id);
```

```
alter table european_football.matches  
add constraint team_matches_away_fk  
    foreign key (away_team_api_id) references  
european_football.team(team_fifa_api_id);
```

/\*After insert data, then show the data as requested task\*/

```
select m.season, l."name", t.team_long_name, t.team_short_name,
(m.home_team_goal-m.away_team_goal) as agregat_goal
from matches m
      join leagues l on m.league_id = l.id
      join team t on m.home_team_api_id = t.team_api_id
      join team t2 on m.away_team_api_id = t2.team_api_id
where l.name = 'Italy Serie A'
and season = '2013/2014'
order by agregat_goal desc;
```

--Output:

	ABC season T↑	ABC name T↑	ABC team_long_name T↑	ABC team_short_name T↑	123 agregat_goal T↑
1	2013/2014	Italy Serie A	Roma	ROM	5
2	2013/2014	Italy Serie A	Sampdoria	SAM	5
3	2013/2014	Italy Serie A	Juventus	JUV	4
4	2013/2014	Italy Serie A	Napoli	NAP	4
5	2013/2014	Italy Serie A	Juventus	JUV	4
6	2013/2014	Italy Serie A	Hellas Verona	VER	4
7	2013/2014	Italy Serie A	Napoli	NAP	4
8	2013/2014	Italy Serie A	Roma	ROM	4
9	2013/2014	Italy Serie A	Roma	ROM	4
10	2013/2014	Italy Serie A	Juventus	JUV	3
11	2013/2014	Italy Serie A	Fiorentina	FIO	3
12	2013/2014	Italy Serie A	Udinese	UDI	3
13	2013/2014	Italy Serie A	Hellas Verona	VER	3
14	2013/2014	Italy Serie A	Juventus	JUV	3
15	2013/2014	Italy Serie A	Torino	TOR	3
16	2013/2014	Italy Serie A	Inter	INT	3
17	2013/2014	Italy Serie A	Milan	ACM	3
18	2013/2014	Italy Serie A	Chievo Verona	CHI	3
19	2013/2014	Italy Serie A	Sampdoria	SAM	3
20	2013/2014	Italy Serie A	Roma	ROM	3