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:

