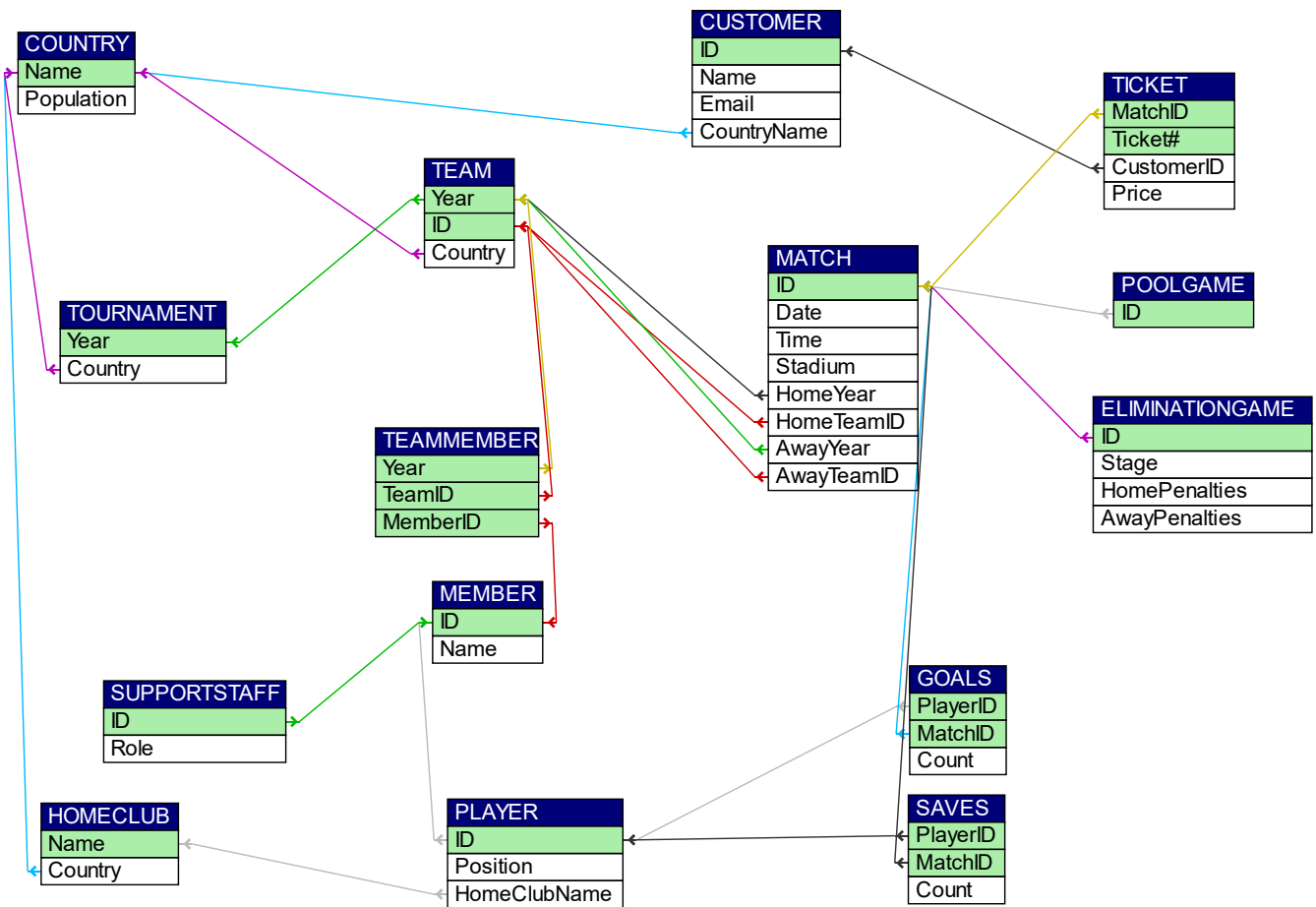


Assignment 2

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SCREENSHOT OF DESIGNER VIEW FROM PHPMYADMIN (You may put this in sideways if required)



Query 1: Find all the Australian Players that played in the 2018 World Cup

QUERY SQL

```
drop view if exists Q1;
create view Q1(`ID`, `Name`) as
select p.`ID`, m.`Name`
from PLAYER p, MEMBER m, TEAM t, TEAMMEMBER tm
where t.`Country`="Australia"
and tm.`Year`=2018
and tm.`TeamID`=t.`ID`
and tm.`MemberID`=m.`ID`
and p.`ID`=m.`ID`;

select * from Q1;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

	ID	Name
<input type="checkbox"/>	4	Gabriel Galindo

↶ ↷

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export


Query 2: Find the players that have never scored a goal






QUERY SQL

```
drop view if exists Q2;  
create view Q2 as  
select p.`ID`, m.`Name`  
from PLAYER p, MEMBER m  
where p.`ID` = m.`ID`  
and p.`ID` not in(  
    select `PlayerID`  
    from GOALS);  
  
select * from Q2;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

				ID	Name
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Grayson Knox

 ☐ Check all With selected:  Edit  Copy  Delete  Export

Query 3: Find all the pool games played by host countries

QUERY SQL

```
drop view if exists Q3;

create view Q3 as

select tnm.`Country`, m.*
from POOLGAME pg, `MATCH` m, TOURNAMENT tnm, TEAM t
where pg.`ID`=m.`ID`
and t.`Country`=tnm.`Country`
and m.`HomeYear`=t.`Year`
and t.`Year`=tnm.`Year`
and m.`HomeTeamID`=t.`ID`

union

select tnm.`Country`, m.*
from POOLGAME pg, `MATCH` m, TOURNAMENT tnm, TEAM t
where pg.`ID`=m.`ID`
and t.`Country`=tnm.`Country`
and m.`AwayYear`=t.`Year`
and t.`Year`=tnm.`Year`
and m.`AwayTeamID`=t.`ID`;

select * from Q3;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

Country	ID	Date	Time	Stadium	HomeYear	HomeTeamID	AwayYear	AwayTeamID
Iceland	0	2010-01-12	09:30:00	Borg El Arab Stadium	2010	0	2010	1
Iceland	1	2010-02-15	08:25:00	Bukit Jalil National Stadium	2010	0	2018	2
Australia	7	2018-11-23	06:10:00	Estadio Azteca	2018	2	2018	4
Australia	8	2018-05-09	12:00:00	Camp Nou	2018	3	2018	4
Australia	9	2018-12-31	06:10:00	Rungrado May Day Stadium	2018	2	2018	4

Query 4: Find all the Australian players linked to an English club team

QUERY SQL

drop view if exists Q4;

create view Q4 as

select p.`ID`, m.`Name`, p.`Position`, p.`HomeClubName`, hc.`Country`

from PLAYER p, MEMBER m, HOMECLUB hc

where p.`ID` = m.`ID`


and p.`HomeClubName` = hc.`Name`

and hc.`Country` = "England";

select * from Q4;

QUERY OUTPUT (SCREENSHOT)

+ Options

				ID	Name	Position	HomeClubName	Country
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	Ed Gale	Stopper	Savage Turtle	England
	<input type="checkbox"/> Check all	With selected:		 Edit	 Copy	 Delete	 Export	

Query 5: Rank the teams by the number of support staff attending the 2018 World Cup

QUERY SQL

```
drop view if exists Q5;
create view Q5 as
select t.`Year`, t.`ID`, t.`Country`, Count(ss.`ID`) as `Number of support staffs`
from TEAM t, SUPPORTSTAFF ss, TEAMMEMBER tm
where ss.`ID` = tm.`MemberID`
and t.`ID`=tm.`TeamID`
and t.`Year`=2018
group by t.`ID`;

select * from Q5;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

Year	ID	Country	Number of support staffs
2018	4	Australia	2
2018	5	Korea	3
2018	6	Japan	1

Query 6: Find the names & number of goals saved by all players

QUERY SQL

```
drop view if exists Q6;
create view Q6 as
select m.`Name`, sum(s.`Count`) as `Number of goals saved`
from PLAYER p, MEMBER m, SAVES s
where p.`ID`=m.`ID`
and p.`ID`= s.`PlayerID`
group by m.`Name`
union
select m.`Name`, 0 as `Number of goals saved`
from PLAYER p, MEMBER m
where p.`ID`=m.`ID`
and p.`ID` not in (
    select `PlayerID`
    from SAVES);

select * from Q6;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

Name	Number of goals saved
Ada Finley	3
Allan Cano	2
Ed Gale	2
Grayson Knox	4
Gabriel Galindo	0

Query 7: Find the game that sold the most tickets

QUERY SQL

```
drop view if exists Q7;
create view Q7 as
select m.*, count(t.`Ticket#`) as `Number of tickets sold`
from `MATCH` m, TICKET t
where m.`ID`=t.`MatchID`
group by m.`ID`
having count(t.`Ticket#`) >= all (
    (select count(t.`Ticket#`)
     from TICKET t
     group by `MatchID`));

select * from Q7;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

ID	Date	Time	Stadium	HomeYear	HomeTeamID	AwayYear	AwayTeamID	Number of tickets sold
4	2010-09-09	12:00:00	The Rose Bowl	2018	3	2018	4	3

Query 8: Find the player who scored the most goals in elimination games

QUERY SQL

```
drop view if exists Q8;
create view Q8 as
select p.`ID`, m.`Name`, sum(g.`Count`) as `Number of goals scored`
from PLAYER p, MEMBER m, GOALS g, ELIMINATIONGAME eg
where p.`ID`=m.`ID`
and p.`ID`=g.`PlayerID`
and g.`MatchID` = eg.`ID`
group by `PlayerID`
having sum(g.`Count`) >= all(
    (select sum(`Count`)
     from GOALS
     group by `PlayerID`));

select * from Q8;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

ID	Name	Number of goals scored
0	Allan Cano	7

Query 9: Find teams that have played in all World Cups

QUERY SQL

```
drop view if exists Q9;

create view Q9 as

select distinct c.*
from COUNTRY c, TEAM t
where c.`Name`=t.`Country`
and not exists(
    select *
    from TEAM
    where `Year` not in(
        select `Year`
        from TOURNAMENT));

select * from Q9;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

Name	Population
Australia	989264
England	98956
Iceland	6566
Japan	656232
Korea	6552356

Query 10: Find players have played in all of Iceland's games

QUERY SQL

```
drop view if exists Q10;
create view Q10 as
select p.`ID`, m.`Name`, sum(g.`Count`)
from PLAYER p, MEMBER m, GOALS g
where p.`ID`=m.`ID`
and p.`ID`=g.`PlayerID`
and g.`MatchID` in(
    select a.`ID`
    from `MATCH` a, TEAM b
    where a.`HomeTeamID`=b.`ID`
    and a.`HomeYear`=b.`Year`
    and b.`Country`="Iceland"
    union
    select a.`ID`
    from `MATCH` a, TEAM b
    where a.`AwayTeamID`=b.`ID`
    and a.`AwayYear`=b.`Year`
    and b.`Country`="Iceland")
group by p.`ID`
;
select * from Q10;
```

QUERY OUTPUT (SCREENSHOT)

+ Options

ID	Name	Number of goals scored
0	Allan Cano	7
1	Ada Finley	3
3	Ed Gale	4