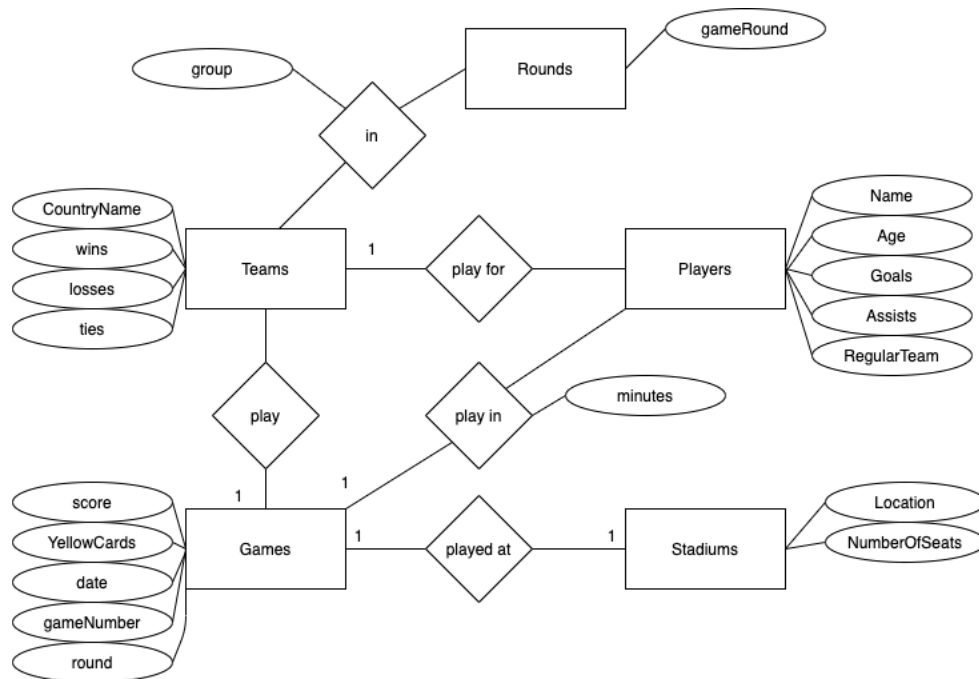


ER Model



Relational model

<i>Teams</i>
CountryName
wins
losses
ties

<i>Games</i>
gameNumber
<u>Location</u>
Team1
Team2
roundName
date
score

<i>Players</i>
Name
<u>CountryName</u>
Age
Goals
Assists
yellowCards
regularTeam

<i>Stadium</i>
Location
numberOfSeats

<i>Tournament</i>
tournamentName
roundName

SQL commands

```
drop database if exists Euros ;  
create database Euros ;
```

```
show databases ;
```

```
use Euros ;
```

```
Drop table if exists Teams;  
Drop table if exists Games;  
Drop table if exists Players;  
Drop table if exists Stadium;  
Drop table if exists Tournament;
```

```
Create table Teams (  
    countryName varchar(30) NOT NULL,  
    wins int,  
    losses int,  
    ties int,  
    Primary Key (countryName));
```

```
Create table Games (  
    gameNumber int,  
    Location varchar(20),  
    team1 varchar(30),  
    team2 varchar(30),  
    roundName varchar(20),  
    gdate date,  
    team1score int,  
    team2score int,  
    Primary Key (gameNumber),  
    FOREIGN KEY (team1) REFERENCES Teams(countryName),  
    FOREIGN KEY (team2) REFERENCES Teams(countryName),  
    FOREIGN KEY (Location) REFERENCES Stadiums(location));
```

```
Create table Players (  
    name varchar(30) NOT NULL,  
    countryName varchar(30) NOT NULL,  
    age int,  
    goals int,  
    assists int,  
    yellowCards int,
```

```
regularTeam varchar(30),  
PRIMARY KEY (name),  
FOREIGN KEY (countryName) REFERENCES Teams(countryName) );
```

```
Create table Stadiums (  
    location varchar(30) NOT NULL,  
    numberrOfSeats int,  
    Primary Key (location));
```

```
insert into Teams values ("Turkey", 0, 0, 0);  
insert into Teams values ("Italy", 0,0,0);  
insert into Teams values ("Wales", 0, 0, 0);  
insert into Teams values ("Switzerland", 0,0,0);
```

Describe results

```
mysql> describe teams  
-> ;
```

Field	Type	Null	Key	Default	Extra
countryName	varchar(30)	NO	PRI	NULL	
wins	int	YES		NULL	
losses	int	YES		NULL	
ties	int	YES		NULL	

4 rows in set (0.02 sec)

```
mysql> describe Games;
```

Field	Type	Null	Key	Default	Extra
gameNumber	int	NO	PRI	NULL	
Location	varchar(20)	YES	MUL	NULL	
team1	varchar(30)	YES	MUL	NULL	
team2	varchar(30)	YES	MUL	NULL	
roundName	varchar(20)	YES		NULL	
gdate	date	YES		NULL	
team1score	int	YES		NULL	
team2score	int	YES		NULL	

8 rows in set (0.00 sec)

```
mysql> describe players;
```

Field	Type	Null	Key	Default	Extra
name	varchar(30)	NO	PRI	NULL	
countryName	varchar(30)	NO	MUL	NULL	
age	int	YES		NULL	
goals	int	YES		NULL	
assists	int	YES		NULL	
yellowCards	int	YES		NULL	
regularTeam	varchar(30)	YES		NULL	

7 rows in set (0.01 sec)

```
mysql> describe stadiums;
```

Field	Type	Null	Key	Default	Extra
location	varchar(30)	NO	PRI	NULL	
numberrOfSeats	int	YES		NULL	

```
2 rows in set (0.00 sec)
```

Select statement

```
mysql> select * from Teams;
```

countryName	wins	losses	ties
Italy	0	0	0
Switzerland	0	0	0
Turkey	0	0	0
Wales	0	0	0

```
4 rows in set (0.01 sec)
```