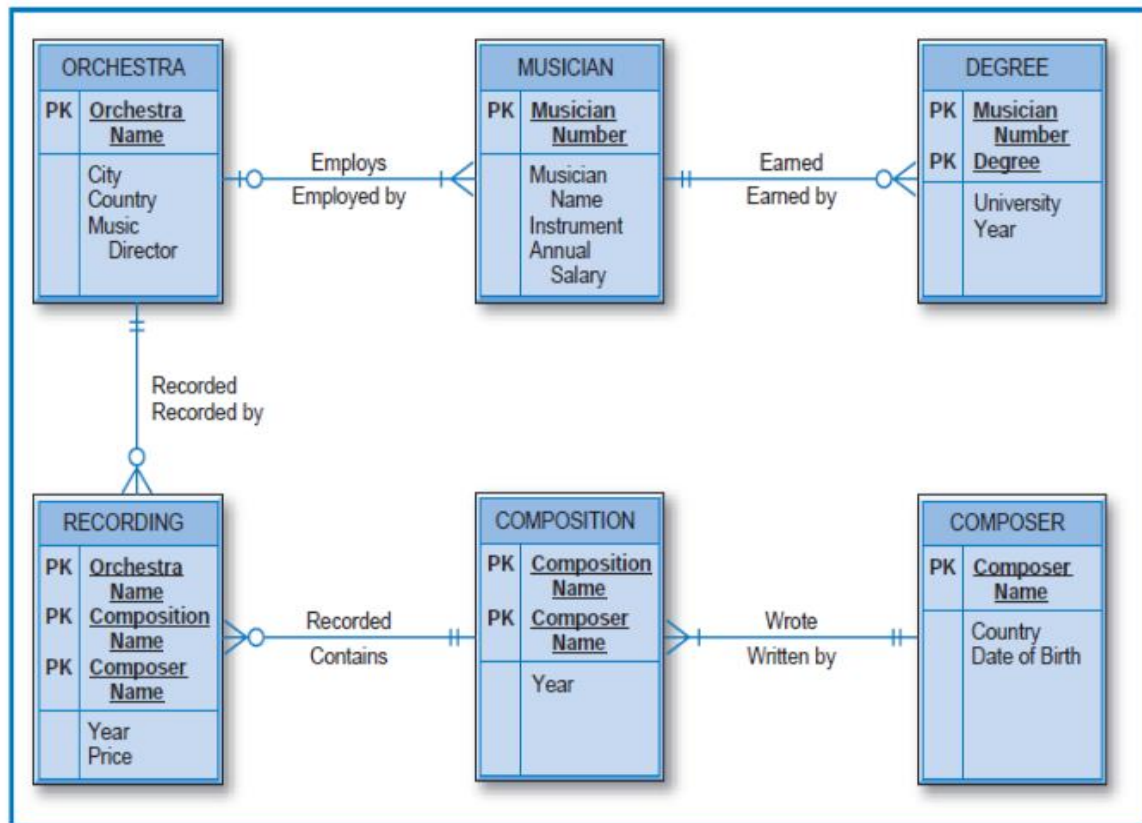


## ASSIGNMENT 4

### WORLD\_MUSIC\_ASSOCIATION



#### Database creation

```
create database World_Music_Association;
```

```
use World_Music_Association;
```

#### Total Tables

```
mysql> show tables;
+-----+
| Tables_in_world_music_association |
+-----+
| composer
| composition
| degree
| musician
| orchestra
| recording
+-----+
6 rows in set (0.00 sec)
```

## 1) Orchestra Table

create table Orchestra

(

Orchestra\_Name varchar(233) not null primary key,

city varchar(233) not null,

Country varchar(233) not null,

Music\_Director varchar(233) not null

);

```
mysql> desc orchestra;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Orchestra_Name | varchar(233)  | NO   | PRI | NULL    |       |
| city           | varchar(233)  | NO   |     | NULL    |       |
| Country        | varchar(233)  | NO   |     | NULL    |       |
| Music_Director | varchar(233)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

## 2)Composer Table

create table Composer

(

```

composer_Name varchar(233) not null primary key,
Country varchar(233) not null,
Date_Of_Birth date not null
);

```

```

mysql> desc composer;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| composer_Name | varchar(233)  | NO   | PRI | NULL     |       |
| Country       | varchar(233)  | NO   |     | NULL     |       |
| Date_Of_Birth | date          | NO   |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

```

### 3) composition table

create table composition

```

(
  composition_Name varchar(233) not null,
  Composer_Name varchar(233) not null,
  Year int not null,
  primary key(composition_Name,Composer_Name),
  foreign key(Composer_Name) references Composer(Composer_Name)
);

```

```

mysql> desc composition;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| composition_Name | varchar(233)  | NO   | PRI | NULL     |       |
| Composer_Name    | varchar(233)  | NO   | PRI | NULL     |       |
| Year             | int           | NO   |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

```

#### 4) Recording Table

create table Recording

```
(
    Orchestra_Name varchar(233) not null,
    Composition_Name varchar(233) not null,
    Composer_Name varchar(233),
    year int not null,
    price float not null,
    foreign key( Composition_Name,Composer_Name) references
composition(composition_Name,Composer_Name),
    foreign key(Orchestra_Name) references Orchestra(Orchestra_Name)
);
```

```
mysql> desc recording;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Orchestra_Name | varchar(233)  | NO   | MUL | NULL    |       |
| Composition_Name | varchar(233)  | NO   | MUL | NULL    |       |
| Composer_Name   | varchar(233)  | YES  |     | NULL    |       |
| year           | int           | NO   |     | NULL    |       |
| price          | float         | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

#### 5) Musician Table

create table Musician

```
(
    Musician_Number int not null primary key,
    Musician_Name varchar(233) not null,
    Instrument varchar(233) not null,
```

Annual\_Salary float not null,  
 Orchestra\_Name varchar(233) not null,  
 foreign key(Orchestra\_Name) references Orchestra(Orchestra\_Name)  
 );

```
mysql> desc Musician;
```

Field	Type	Null	Key	Default	Extra
Musician_Number	int	NO	PRI	NULL	
Musician_Name	varchar(233)	NO		NULL	
Instrument	varchar(233)	NO		NULL	
Annual_Salary	float	NO		NULL	
Orchestra_Name	varchar(233)	NO	MUL	NULL	

5 rows in set (0.01 sec)

## 6)Degree Table

create table degree

(

Degree varchar(233) not null primary key,

Musician\_Number int not null,

University\_Year int not null,

foreign key(Musician\_Number) references Musician(Musician\_Number)

);

```
mysql> desc degree;
```

Field	Type	Null	Key	Default	Extra
Degree	varchar(233)	NO	PRI	NULL	
Musician_Number	int	NO	MUL	NULL	
University_Year	int	NO		NULL	

3 rows in set (0.01 sec)

