

WORLD MUSIC ASSOCIATION DATABASE

1.Orchestra Table:

mysql> create table Orchestra (orchestra_name varchar(100) primary key, city varchar(100), country varchar(100), music_director varchar(100));

```
mysql> desc Orchestra;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| orchestra_name | varchar(100)  | NO   | PRI | NULL    |       |
| city           | varchar(100)  | YES  |     | NULL    |       |
| country        | varchar(100)  | YES  |     | NULL    |       |
| music_director | varchar(100)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

2)Musician Table:

mysql> create table Musician (musician_number int primary key, musician_name varchar(100), instrument varchar(100), annual_salary float, orchestra_name varchar(100), 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(100)  | YES  |     | NULL    |       |
| instrument       | varchar(100)  | YES  |     | NULL    |       |
| annual_salary   | float         | YES  |     | NULL    |       |
| orchestra_name  | varchar(100)  | YES  | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

3)Degree Table:

mysql> create table Degree (musician_number int, degree varchar(50), university_year int, primary key(musician_number, degree), foreign key(musician_number) references musician(musician_number));

```
mysql> desc Degree;
```

Field	Type	Null	Key	Default	Extra
musician_number	int	NO	PRI	NULL	
degree	varchar(50)	NO	PRI	NULL	
university_year	int	YES		NULL	

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

4)Composer Table

mysql> create table Composer (composer_name varchar(100) primary key, country varchar(100), date_of_birth date);

```
mysql> desc Composer;;
```

Field	Type	Null	Key	Default	Extra
composer_name	varchar(100)	NO	PRI	NULL	
country	varchar(100)	YES		NULL	
date_of_birth	date	YES		NULL	

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

5)Composition Table

mysql> Create table Composition (composition_name varchar(100), composer_name varchar(100), year int, 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(100)	NO	PRI	NULL	
composer_name	varchar(100)	NO	PRI	NULL	
year	int	YES		NULL	

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

6) Recording Table:

mysql> create table Recording (orchestra_name varchar(100), composition_name varchar(100), composer_name varchar(100), year int, price float, primary key(orchestra_name, composition_name, composer_name), foreign key(orchestra_name) references orchestra(orchestra_name), foreign key(composition_name, composer_name) references Composition(composition_name, composer_name));

```
mysql> desc Recording;
```

Field	Type	Null	Key	Default	Extra
orchestra_name	varchar(100)	NO	PRI	NULL	
composition_name	varchar(100)	NO	PRI	NULL	
composer_name	varchar(100)	NO	PRI	NULL	
year	int	YES		NULL	
price	float	YES		NULL	

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