



**Answer:**

SONGS

N

made\_up\_of

1

N

N

ALBUMS

1

1

produced\_by

recorded\_by

form

BANDS

N

N

MUSICIANS



**Answer:**

create table MONARCH\_rules (

name varchar(128) primary key,

country varchar(128) unique not null,

foreign key (country) references COUNTRY(name)

);

create table COUNTRY (

name varchar(128) primary key

);

Explaination:

* Both entity sets have key constraints. As we can see here, this is a one-to-one relationship.
* MONARCH entity set has a total participation constraint.
* Since MONARCH entity set have **both a participation constraint and a key constraint,** when creating the MONARCH\_rules table (which represents both relationship ‘rules’ and entity set ‘MONARCH’), I **only made the key from MONARCH as the primary key**.
* Inside the MONARCH\_rules table, I also **set the key from COUNTRY with “not null” constraint** to guarantee **participation** constraint **on MONARCH**.
* Since the **COUNTRY entity set also has a key constraint**, and the relationship here is o**ne-to-one**, I also **set the key from COUNTRY to “unique”** in the MONARCH\_rules table.
* Putting “not null” and “unique” together, I got **“unique not null”.**