*/\* create database music\_app \**/

CREATE DATABASE music\_app;

*/\* use database music\_app \**/

USE music\_app;

*/\* entity \**/

CREATE TABLE artist

(aname CHAR(20),

PRIMARY KEY(aname))

CREATE TABLE album

(abtranum INTEGER,

abname CHAR(20),

date DATE,

aname CHAR(20),

PRIMARY KEY (aname, abtranum),

FOREGIN KEY (aname)

REFERENCES artist

)

CREATE TABLE song

(stranum INTEGER,

sname CHAR(20),

aname CHAR(20),

PRIMARY KEY (aname, stranum),

FOREGIN KEY (aname)

FEFERENCES artist

)

CREATE TABLE featured\_artist

(faname CHAR(20),

PRIMARY KEY (faname))

*/\* relation \**/

CREATE TABLE composed\_of

(abtranum INTEGER,

stranum INTEGER,

PRIMARY KEY (abtranum, stranum),

FOREIGN KEY (abtranum)

REFERENCES album,

FOREIGN KEY (stranum)

REFERENCES song

)

CREATE TABLE feature

(faname CHAR(20),

stranum INTEGER,

abtranum CHAR(20),

PRIMARY KEY (faname, stranum, abtranum),

FOREIGN KEY (faname)

REFERENCES featured\_artist,

FOREIGN KEY (stranum)

REFERENCES song,

FOREIGN KEY (abtranum)

REFERNCES album

)

*/\* insert data into artist table \**/

INSERT INTO artist VALUES (‘Jason Aldean’);

INSERT INTO artist VALUES (‘Pentatonix’);

INSERT INTO artist VALUES (‘Chris Stapleton’);

INSERT INTO artist VALUES (‘John Prine’);

INSERT INTO artist VALUES (‘LEDGER’);

INSERT INTO artist VALUES (‘Midland’);

INSERT INTO artist VALUES (‘Hillsong Worship’);

INSERT INTO artist VALUES (‘Imagine Dragons’);

INSERT INTO artist VALUES (‘Stone Temple Pilots’);

INSERT INTO artist VALUES (‘Kane Brown’);

/\* insert data into album table \*/

CREATE TABLE album

(abtranum INTEGER,

abname CHAR(20),

date DATE,

aname CHAR(20),

PRIMARY KEY (aname, abtranum),

FOREGIN KEY (aname)

REFERENCES artist

)

INSERT INTO album (abtranum, abname, date, aname) VALUES (‘Rearview Town’, ‘0000001’, ‘2018-04-13’, ‘Jason Aldean’);

INSERT INTO album (abtranum, abname, date, aname) VALUES (‘They Don’t Know’, ‘0000002’, ‘2016-09-9’, ‘Jason Aldean’);

/\* insert data into song table \*/

CREATE TABLE song

(stranum INTEGER,

sname CHAR(20),

aname CHAR(20),

PRIMARY KEY (aname, stranum),

FOREGIN KEY (aname)

FEFERENCES artist

)

INSERT INTO song (stranum, sname, aname) VALUES (‘1’, ‘Dirt To Dust’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘2’, ‘Set it Off’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘3’, ‘Girl Like You’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘4’, ‘You Make It Easy’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘5’, ‘Gettin’ Warmed Up’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘6’, ‘Blacktop Gone’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘7’, ‘Drowns the Whiskey’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘8’, ‘Rearview Town’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘9’, ‘Love Me Or Don’t’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘10’, ‘Like You Were Mine’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘11’, ‘Better At Being Who I Am’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘12’, ‘I’ll Wait For You’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘13’, ‘Ride All Night’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘14’, ‘Up In Smoke’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘15’, ‘High Noon Neon’, ‘Rearview Town’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘1’, ‘Lights Come On’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘2’, ‘A Little More Summertime’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘3’, ‘This Plane Don’t Go There’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘4’, ‘Comin’ In Hot’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘5’, ‘First Time Again’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘6’, ‘Bad’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘7’, ‘They Don’t Know’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘8’, ‘One Way Won’t Forget’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘9’, ‘Whiskey’d Up’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘10’, ‘In Case You Don’t Remember’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘11’, ‘All Out of Beer’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘12’, ‘Any Ol’ Barstool’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘13’, ‘The Way a Night Should Feel’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘14’, ‘Reason to Love L.A.’, ‘They Don’t Know’, ‘Jason Aldean’);

INSERT INTO song (stranum, sname, aname) VALUES (‘15’, ‘When the Lights Go Out’, ‘They Don’t Know’, ‘Jason Aldean’);

/\* insert data into featured\_artist table \*/

CREATE TABLE featured\_artist

(faname CHAR(20),

PRIMARY KEY (faname))

INSERT INTO featured\_artist VALUES (‘Miranda Lambert’);

INSERT INTO featured\_artist VALUES (‘Kelsea Ballerini’);

/\* insert data into composed\_of table \*/

/\* insert data into feature table \*/

CREATE TABLE feature

(faname CHAR(20),

stranum INTEGER,

abtranum CHAR(20),

PRIMARY KEY (faname, stranum, abtranum),

FOREIGN KEY (faname)

REFERENCES featured\_artist,

FOREIGN KEY (stranum)

REFERENCES song,

FOREIGN KEY (abtranum)

REFERNCES album

)

INSERT INTO feature (faname, stranum, abtranum) VALUES (‘Miranda Lambert’, ‘7’, ‘0000001’);

INSERT INTO feature (faname, stranum, abtranum) VALUES (‘Kelsea Ballerini’, ‘5’, ‘0000002’);