

Here are the my "Create Table" scripts for homework 2. I was originally going to upload this as a separate .sql in conjunction with this file, however canvas didn't accept the .sql file. Thus, I have just added the scripts into this file.

```
/* Tyrus Malmstrom :: CS430 --> Database Management Systems :: Homework 2 */  
/* Script that will setup all the tables required from the ER Diagram */
```

```
-- Good Etique --
```

```
\echo '\nDropping schema if it already exists.'
```

```
DROP SCHEMA IF EXISTS thisMusicProduction CASCADE;
```

```
\echo '\nDropping tables if they exist.'
```

```
DROP TABLE IF EXISTS thisMusicProduction.Musicians CASCADE;  
DROP TABLE IF EXISTS thisMusicProduction.Instrument CASCADE;  
DROP TABLE IF EXISTS thisMusicProduction.Album CASCADE;  
DROP TABLE IF EXISTS thisMusicProduction.Songs CASCADE;  
DROP TABLE IF EXISTS thisMusicProduction.Place CASCADE;  
DROP TABLE IF EXISTS thisMusicProduction.Telephone CASCADE;
```

```
-----  
\echo '\nCreating schema \'thisMusicProduction\' in which all my relational tables will reside.'
```

```
-- Creating the Schema in which all my relational tables will live:  
CREATE SCHEMA thisMusicProduction;
```

```
\echo '\nCreating Musicians table.'
```

```
-- Creating the Musicians table:  
CREATE TABLE thisMusicProduction.Musicians(  
  
    ssn varchar (11) PRIMARY KEY,  
    name varchar (15)  
);
```

```
\echo '\nInserting values into Musicians table.'
```

```
-- Inserting values into the Musicians  
INSERT INTO thisMusicProduction.Musicians(  
    ssn,  
    name
```

```
)  
VALUES  
(147-45-4789,'John'),  
(256-69-7858,'Smith'),  
(123-45-6789,'Tyrus'),  
(789-45-6123,'Bob'),  
(159-52-1563,'deadmau5');
```

```
\echo '\nCreating Instrument table.'
```

```
-- Creating the instrument table:
```

```
CREATE TABLE thisMusicProduction.Instrument(  
  
    instrid integer PRIMARY KEY,  
    dname varchar(15),  
    key varchar(15)
```

```
);
```

```
\echo '\nInserting values into Instrument table.'
```

```
-- Inserting values into the Instruments table:
```

```
INSERT INTO thisMusicProduction.instrument(  
    instrid,  
    dname,  
    key
```

```
)  
VALUES  
(1,'Violin','C#'),  
(2,'Piano','A Minor'),  
(3,'Guitar','G'),  
(4,'Electronic DAW','All keys'),  
(5,'Harmonica','A Major');
```

```
\echo '\nCreating Album table. Also including the \"Producer\" relationship with the \"Musicians\"  
table'.
```

```
-- Creating the Album table:
```

```
CREATE TABLE thisMusicProduction.Album(  
  

```

```
albumIdentifier INTEGER PRIMARY KEY,  
copyrightDate  DATE NOT NULL,  
speed          INTERVAL MINUTE,  
title          varchar(25),  
Musician_ssn   varchar(11) NOT NULL REFERENCES thisMusicProduction.Musicians( ssn ) ON  
DELETE CASCADE -- Producer relationship
```

```
);
```

```
\echo 'nInserting values into Album table.'
```

```
-- Inserting values for the Album table:
```

```
INSERT INTO thisMusicProduction.Album(  
    albumIdentifier,  
    copyrightDate,  
    speed,  
    title,  
    Musician_ssn  
)
```

```
VALUES
```

```
( 1,'2010-07-29','10:30','For Lack of a Better Name','159-52-1563' ),  
( 2,'2008-04-29','5:00', 'While(1<2)',          '159-52-1563' ),  
( 3,'2009-08-29','6:50', 'Random Ablum Title',    '159-52-1563' ),  
( 4,'2016-06-29','2:00', '>Album Title Goes Here<', '159-52-1563' ),  
( 5,'2007-05-29','8:30', 'W:/2016 Ablum',        '159-52-1563' );
```

```
-- SELECT * FROM thisMusicProduction.Album;
```

```
-----
```

```
-----
```

```
\echo 'nCreating Songs table. Also including the \"Appears\" relationship with the Album table.'
```

```
-- Creating the Songs table:
```

```
CREATE TABLE thisMusicProduction.Songs(  
  
    songId integer PRIMARY KEY,  
    title  varchar(30),  
    suthor varchar(10),  
    Album_albumIdentifier INTEGER NOT NULL REFERENCES  
thisMusicProduction.Album( albumIdentifier ) ON DELETE CASCADE -- Appears relationship.
```

```
);
```

```
\echo 'nInserting values into Songs table.'
```

```
-- Inserting values for the Songs table:
INSERT INTO thisMusicProduction.Songs(
    songId,
    title,
    suthor,
    Album_albumIdentifier
)
VALUES
(1,'Strobe','deadmau5'          , 1),
(2,'My Pet Coelacanth','deadmau5' , 2),
(3,'I Remeber ft. Kaskade','deadmau5', 3),
(4,'The Vedlt','deadmau5'      , 4),
(5,'4ware','deadmau5'          , 5);

-- SELECT * FROM thisMusicProduction.Songs;
```

```
-----

\echo '\nCreating Place table.'
```

```
-- Creating Place table:
CREATE TABLE thisMusicProduction.Place(

    address varchar(45) PRIMARY KEY

);
```

```
\echo '\nInserting values into Place table.'
```

```
-- Inserting values for the Places table;
INSERT INTO thisMusicProduction.Place(
    address
)
VALUES
('3140. Ontario drive'),
('5148. 7 Panagioti Gyanapolou'),
('2250 W. South Drive'),
('1337 Leet Drive'),
('7331 A. This address is cool');
```

```
-----

-----
```

```
\echo '\nCreating Telephone table.'
```

```
-- Creating Telephone table:
```

```
CREATE TABLE thisMusicProduction.Telephone(  
    phone_no TEXT UNIQUE NOT NULL  
);
```

```
\echo '\nInserting values into Telephone table.'
```

```
INSERT INTO thisMusicProduction.Telephone(  
    phone_no  
)  
VALUES  
( '303-653-5478' ),  
( '654-251-4789' ),  
( '125-458-7963' ),  
( '111-454-7888' ),  
( '111-222-3334' );
```

```
-----  
\echo '\nNow, creating and setting up the relational tables between entities. Some may be many-to-  
many while others 1-to-many.\n'
```

```
-- Identifiying relationships (tables):
```

```
-- Creating the relationship talbe between Musicians and Instruments:
```

```
-- This is a *m*any to *m*any relationship --> m:m
```

```
-- Introducing foreign key constraints:
```

```
\echo '\nCreating Perform table: m:m'
```

```
CREATE TABLE thisMusicProduction.Perform(  
  
    Musician_ssn varchar(11) REFERENCES thisMusicProduction.Musicians( ssn ) ON UPDATE  
    CASCADE, -- update automatically if upddated in referenced / parent table.  
    Songs_songId integer REFERENCES thisMusicProduction.Songs( songId ) ON UPDATE  
    CASCADE,  
    PRIMARY KEY( Musician_ssn,Songs_songId )  
  
);
```

```
\echo '\nInserting values into Perform table. Values are *dependent* on values from other previously  
defined tables. Specifically Musicians and Songs.'
```

```
INSERT INTO thisMusicProduction.Perform(  
    Musician_ssn,
```

```
    Songs_songId
)
Values
('147-45-4789',1),
('256-69-7858',3),
('123-45-6789',2),
('789-45-6123',5),
('159-52-1563',4);
```

```
-----~-----
-- Creating the relationship table between Musicians and Instruments:
-- This is a *m*any to *m*any relationship --> m:m
-- Introducing foreign key constraints:\
```

```
\echo 'Creating Plays table: m:m'
```

```
CREATE TABLE thisMusicProduction.Plays(
```

```
    Musician_ssn varchar(11) REFERENCES thisMusicProduction.Musicians( ssn ) ON UPDATE
    CASCADE,
```

```
    Instrument_instrid integer REFERENCES thisMusicProduction.Instrument( instrid ) ON UPDATE
    CASCADE,
```

```
    PRIMARY KEY( Musician_ssn, Instrument_instrid )
```

```
);
```

```
\echo '\nInserting values into Plays table. Values are *dependent* on values from other previously
defined tables. Specifically Musicians and Instrument.'
```

```
INSERT INTO thisMusicProduction.Plays(
```

```
    Musician_ssn,
```

```
    Instrument_instrid
```

```
)
```

```
VALUES
```

```
('159-52-1563',2),
```

```
('123-45-6789',4),
```

```
('256-69-7858',1),
```

```
('789-45-6123',3),
```

```
('147-45-4789',5);
```

```
-- SELECT COUNT(*) FROM thisMusicProduction.Plays;
```

```
-----
\echo '\nCreating the \"Home\" table for the \"Place\" and \"Telephone table relationship\".'
```

```
CREATE TABLE thisMusicProduction.Home(
```

```
    Place_address varchar(45) REFERENCES thisMusicProduction.Place( address ) ON UPDATE  
    CASCADE,
```

```
    Telephone_phone_no TEXT UNIQUE NOT NULL REFERENCES thisMusicProduction.Telephone(  
phone_no ) ON UPDATE CASCADE,
```

```
    PRIMARY KEY( Place_address )
```

```
);
```

```
\echo "\nInserting values into Home table. Values are *dependent* on values from other previously  
defined tables. Specifically \"Place\" and \"Telephone\"."
```

```
INSERT INTO thisMusicProduction.Home(
```

```
    Place_address,
```

```
    Telephone_phone_no
```

```
)
```

```
VALUES
```

```
('3140. Ontario drive',      '303-653-5478'),
```

```
('5148. 7 Panagioti Gyanapolou','654-251-4789'),
```

```
('2250 W. South Drive',      '125-458-7963'),
```

```
('1337 Leet Drive',          '111-454-7888'),
```

```
('7331 A. This address is cool','111-222-3334');
```

```
-- SELECT * FROM thisMusicProduction.Home;
```

```
-----
```

```
\echo "\nCreating the \"Lives\" relationship bewteen the two tables \"Musicians\" and the aggregation of  
\"Home\" entity relationship set."
```

```
CREATE TABLE thisMusicProduction.Lives(
```

```
    Musician_ssn varchar(11) REFERENCES thisMusicProduction.Musicians(ssn) ON UPDATE  
    CASCADE,
```

```
    Place_address varchar(45) REFERENCES thisMusicProduction.Home( Place_address ) ON  
    UPDATE CASCADE,
```

```
    PRIMARY KEY( Musician_ssn, Place_address )
```

```
);
```

```
\echo "\nInserting values into \"Lives\" table. Values are *dependent* on values from other previously  
defined tables. Specifically \"Musicians\" and the aggregation of \"Home\" entity relationship set."
```

```
INSERT INTO thisMusicProduction.Lives(
```

Musician_ssn,
Place_address

)

Values

('147-45-4789','2250 W. South Drive'),
('256-69-7858', '1337 Leet Drive'),
('123-45-6789','5148. 7 Panagioti Gyanapolou'),
('789-45-6123','7331 A. This address is cool'),
('159-52-1563','3140. Ontario drive');

-- SELECT * FROM thisMusicProduction.Lives;

-- Show all list of relations in PostgreSQL:
\dt thisMusicProduction.*;

-- done.

Below are all my tables. Both showing the schema of the tables, and the tables populated with data.

The picture below just showcases all the relations / tables within the database (specifically under the 'thismusicproduction' schema). It is the \dt <schema_name>.* command used in PostgreSQL.

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
INSERT 0 5
Creating Telephone table.
CREATE TABLE
Inserting values into Telephone table.
INSERT 0 5
Now, creating and setting up the relational tables between entities. Some may be many-to-many while others 1-to-many.
Creating Perform table: m:m
CREATE TABLE
Inserting values into Perform table. Values are *dependent* on values from other previously defined tables. Specifically Musicians and Songs.
INSERT 0 5
Creating Plays table: m:m
CREATE TABLE
Inserting values into Plays table. Values are *dependent* on values from other previously defined tables. Specifically Musicians and Instrument.
INSERT 0 5
Creating the "Home" table for the "Place" and "Telephone table relationship".
CREATE TABLE
Inserting values into Home table. Values are *dependent* on values from other previously defined tables. Specifically "Place" and "Telephone".
INSERT 0 5
Creating the "Lives" relationship between the two tables "Musicians" and the aggregation of "Home" entity relationship set.
CREATE TABLE
Inserting values into "Lives" table. Values are *dependent* on values from other previously defined tables. Specifically "Musicians" and the aggregation of "Home" entity relationship set.
INSERT 0 5
List of relations
Schema | Name | Type | Owner
-----|-----|-----|-----
thismusicproduction | album | table | tyru5
thismusicproduction | home | table | tyru5
thismusicproduction | instrument | table | tyru5
thismusicproduction | lives | table | tyru5
thismusicproduction | musicians | table | tyru5
thismusicproduction | perform | table | tyru5
thismusicproduction | place | table | tyru5
thismusicproduction | plays | table | tyru5
thismusicproduction | songs | table | tyru5
thismusicproduction | telephone | table | tyru5
(10 rows)
```

~~~~~Now starts the listing of the relations / tables:~~~~~



```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.album;
Table "thismusicproduction.album"
Column | Type | Modifiers
-----+-----+-----
albumidentifier | integer | not null
copyrightdate | date | not null
speed | interval minute | 
title | character varying(25) | 
musician_ssn | character varying(11) | not null
Indexes:
    "album_pkey" PRIMARY KEY, btree (albumidentifier)
Foreign-key constraints:
    "album_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON DELETE CASCADE
Referenced by:
    TABLE "thismusicproduction.songs" CONSTRAINT "songs_album_albumidentifier_fkey" FOREIGN KEY (album_albumidentifier) REFERENCES thismusicproduction.album(albumidentifier) ON DELETE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.album;
 albumidentifier | copyrightdate | speed | title | musician_ssn
-----+-----+-----+-----+-----
1 | 2010-07-29 | 10:30:00 | For Lack of a Better Name | 159-52-1563
2 | 2008-04-29 | 05:00:00 | While(1<2) | 159-52-1563
3 | 2009-08-29 | 06:50:00 | Random Ablum Title | 159-52-1563
4 | 2016-06-29 | 02:00:00 | >Album Title Goes Here< | 159-52-1563
5 | 2007-05-29 | 08:30:00 | W/2016 Ablum | 159-52-1563
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.home;
      Table "thismusicproduction.home"
      Column | Type | Modifiers
      -----|-----|-----
 place_address | character varying(45) | not null
 telephone_phone_no | text | not null
Indexes:
 "home_pkey" PRIMARY KEY, btree (place_address)
 "home_telephone_phone_no_key" UNIQUE CONSTRAINT, btree (telephone_phone_no)
Foreign-key constraints:
 "home_place_address_fkey" FOREIGN KEY (place_address) REFERENCES thismusicproduction.place(address) ON UPDATE CASCADE
 "home_telephone_phone_no_fkey" FOREIGN KEY (telephone_phone_no) REFERENCES thismusicproduction.telephone(phone_no) ON UPDATE CASCADE
Referenced by:
 TABLE "thismusicproduction.lives" CONSTRAINT "lives_place_address_fkey" FOREIGN KEY (place_address) REFERENCES thismusicproduction.home(place_address) ON UPDATE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.home;
 place_address | telephone_phone_no
-----|-----
 3140 - Ontario drive | 303-653-5478
 5148 - 7 Panagioti Gyanapolou | 654-251-4789
 2250 W. South Drive | 125-458-7963
 1337 Leet Drive | 111-454-7888
 7331 A. This address is cool | 111-222-3334
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.instrument;
Table "thismusicproduction.instrument"
Column | Type | Modifiers
-----+-----+-----
instrid | integer | not null
dname | character varying(15) |
key | character varying(15) |
Indexes:
    "instrument_pkey" PRIMARY KEY, btree (instrid)
Referenced by:
    TABLE "thismusicproduction.plays" CONSTRAINT "plays_instrument_instrid_fkey" FOREIGN KEY (instrument_instrid) REFERENCES thismusicproduction.instrument(instrid) ON UPDATE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.instrument;
instrid | dname | key
-----+-----+-----
1 | Violin | C#
2 | Piano | A Minor
3 | Guitar | G
4 | Electronic DAW | All keys
5 | Harmonica | A Major
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.lives;
Table "thismusicproduction.lives"
Column | Type | Modifiers
-----+-----+-----
musician_ssn | character varying(11) | not null
place_address | character varying(45) | not null
Indexes:
    "lives_pkey" PRIMARY KEY, btree (musician_ssn, place_address)
Foreign-key constraints:
    "lives_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE
    "lives_place_address_fkey" FOREIGN KEY (place_address) REFERENCES thismusicproduction.hone(place_address) ON UPDATE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.lives;
musician_ssn | place_address
-----+-----
147-45-4789 | 2250 W. South Drive
256-69-7858 | 1337 Leet Drive
123-45-6789 | 5148. 7 Panagioti Gyanapolou
789-45-6123 | 7331 A. This address is cool
159-52-1563 | 3140. Ontario drive
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.musicians;
Table "thismusicproduction.musicians"
Column | Type | Modifiers
-----+-----+-----
ssn | character varying(11) | not null
name | character varying(15) |
Indexes:
    "musicians_pkey" PRIMARY KEY, btree (ssn)
Referenced by:
    TABLE "thismusicproduction.album" CONSTRAINT "album_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON DELETE CASCADE
    TABLE "thismusicproduction.lives" CONSTRAINT "lives_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE
    TABLE "thismusicproduction.perform" CONSTRAINT "perform_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE
    TABLE "thismusicproduction.plays" CONSTRAINT "plays_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.musicians;
 ssn | name
-----+-----
147-45-4789 | John
256-69-7858 | Smith
123-45-6789 | Tyrus
789-45-6123 | Bob
159-52-1563 | deadmau5
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.perform;
Table "thismusicproduction.perform"
Column | Type | Modifiers
-----+-----+-----
musician_ssn | character varying(11) | not null
songs_songid | integer | not null
Indexes:
    "perform_pkey" PRIMARY KEY, btree (musician_ssn, songs_songid)
Foreign-key constraints:
    "perform_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE
    "perform_songs_songid_fkey" FOREIGN KEY (songs_songid) REFERENCES thismusicproduction.songs(songid) ON UPDATE CASCADE
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# select * from thismusicproduction.perform;
musician_ssn | songs_songid
-----+-----
147-45-4789 | 1
256-69-7858 | 3
123-45-6789 | 2
789-45-6123 | 5
159-52-1563 | 4
(5 rows)
tnalnst=#
```

```
psql -h localhost -p 5432 -U tyru5 -d tmalnst
tnalnst=# \d thismusicproduction.place;
Table "thismusicproduction.place"
Column | Type | Modifiers
-----+-----+-----
address | character varying(45) | not null
Indexes:
    "place_pkey" PRIMARY KEY, btree (address)
Referenced by:
    TABLE "thismusicproduction.home" CONSTRAINT "home_place_address_fkey" FOREIGN KEY (place_address) REFERENCES thismusicproduction.place(address) ON UPDATE CASCADE
tnalnst=#
```

```
psql tmalnst
tnalnst=# select * from thismusicproduction.place;
          address
-----
3140. Ontario drive
5148. 7 Panagioti Gyanapolou
2250 W. South Drive
1337 Leet Drive
7331 A. This address is cool
(5 rows)

tnalnst=#
```

```
psql tmalnst
tnalnst=# \d thismusicproduction.plays;
          Table "thismusicproduction.plays"
  Column      |      Type      | Modifiers
-----
 musician_ssn | character varying(11) | not null
 instrument_instrid | integer         | not null
Indexes:
    "plays_pkey" PRIMARY KEY, btree (musician_ssn, instrument_instrid)
Foreign-key constraints:
    "plays_instrument_instrid_fkey" FOREIGN KEY (instrument_instrid) REFERENCES thismusicproduction.instrument(instrid) ON UPDATE CASCADE
    "plays_musician_ssn_fkey" FOREIGN KEY (musician_ssn) REFERENCES thismusicproduction.musicians(ssn) ON UPDATE CASCADE

tnalnst=#
```

```
psql tmalnst
tmalnst=# select * from thismusicproduction.plays;
 musician_ssn | instrument_instrid
-----
159-52-1563   | 2
123-45-6789   | 4
256-69-7858   | 1
789-45-6123   | 3
147-45-4789   | 5
(5 rows)

tmalnst=#
```

```
psql tmalnst
tmalnst=# \d thismusicproduction.songs;
Table "thismusicproduction.songs"
  Column      |      Type      | Modifiers
-----
 songid       | integer        | not null
 title        | character varying(30) |
 author       | character varying(10) |
 album_albumidentifier | integer        | not null
Indexes:
    "songs_pkey" PRIMARY KEY, btree (songid)
Foreign-key constraints:
    "songs_album_albumidentifier_fkey" FOREIGN KEY (album_albumidentifier) REFERENCES thismusicproduction.album(albumidentifier) ON DELETE CASCADE
Referenced by:
    TABLE "thismusicproduction.perform" CONSTRAINT "perform_songs_songid_fkey" FOREIGN KEY (songs_songid) REFERENCES thismusicproduction.songs(songid) ON UPDATE CASCADE

tmalnst=#
```

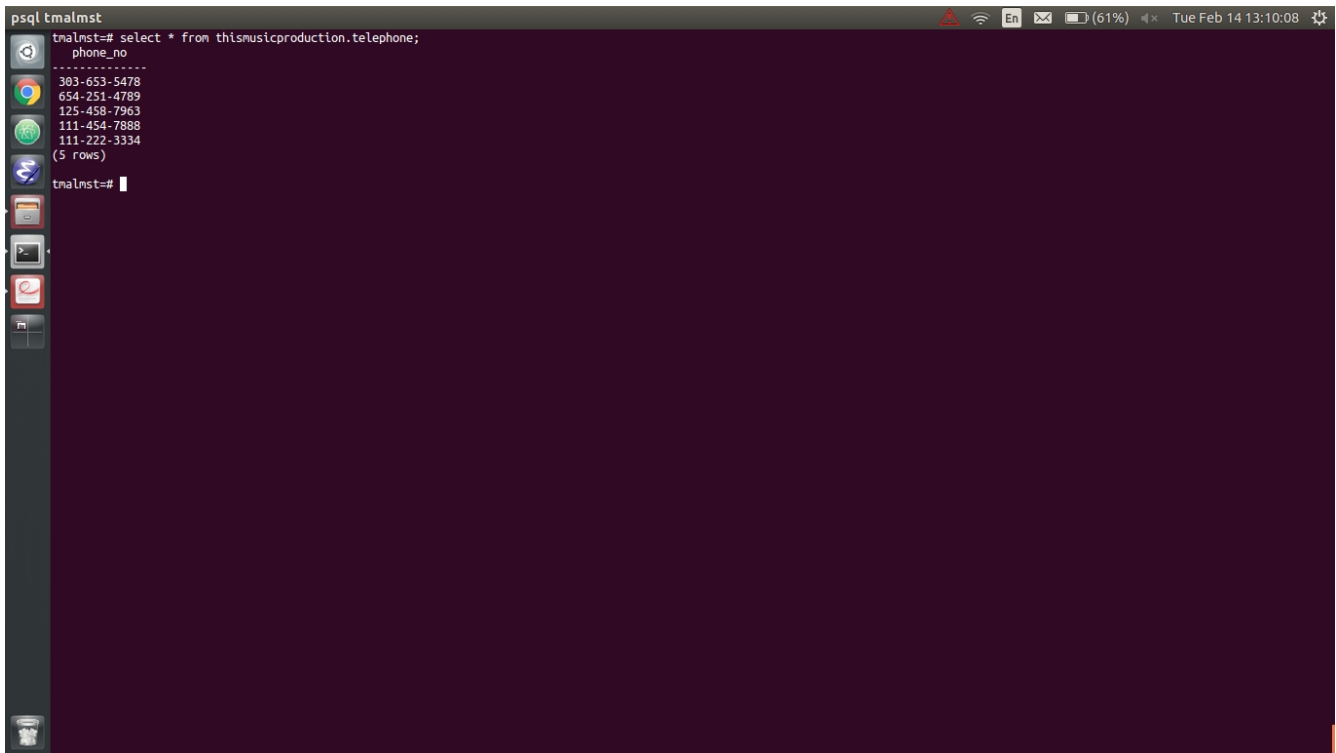


```
psql tmalnst
tmalnst=# select * from thismusicproduction.songs;
 songid | title | author | album_albumidentifier
-----|-----|-----|-----
1 | Strobe | deadnaus | 1
2 | My Pet Coelacanth | deadnaus | 2
3 | I Remeber ft. Kaskade | deadnaus | 3
4 | The Vedlt | deadnaus | 4
5 | 4ware | deadnaus | 5
(5 rows)

tmalnst=#
```

```
psql tmalnst
tmalnst=# \d thismusicproduction.telephone;
Table "thismusicproduction.telephone"
  Column | Type | Modifiers
-----|-----|-----
phone_no | text | not null
Indexes:
    "telephone_phone_no_key" UNIQUE CONSTRAINT, btree (phone_no)
Referenced by:
    TABLE "thismusicproduction.home" CONSTRAINT "home_telephone_phone_no_fkey" FOREIGN KEY (telephone_phone_no) REFERENCES thismusicproduction.telephone(phone_no) ON UPDATE CASCADE

tmalnst=#
```

A screenshot of a terminal window titled 'psql tmalnst'. The terminal shows a SQL query being executed: 'select \* from thismusicproduction.telephone;'. The result is a table with one column, 'phone\_no', containing five rows of phone numbers. The terminal interface includes a dark background with light-colored text. On the left side, there is a vertical dock with several application icons. The top of the terminal window shows system status information, including battery level (61%) and time (Tue Feb 14 13:10:08).

```
psql tmalnst
tmalnst=# select * from thismusicproduction.telephone;
 phone_no
-----
303-653-5478
654-251-4789
125-458-7963
111-454-7888
111-222-3334
(5 rows)

tmalnst=#
```

Those are all my tables, including all entities, attributes, relationships, and primary, foreign key constraints stated within the assignment description.

Best,  
Tyrus Malmstrom.