SQL> SELECT artistname FROM artistx 2 ;
ARTISTNAME
Ariana Grande Drake Ed Sheeran Post Malone
SQL> SELECT artistName FROM Rapper;
ARTISTNAME
Drake Post Malone
SQL> SELECT instrumentname FROM INstrument;
INSTRUMENTNAME
Guitar Piano Vocal
SQL> SELECT artistname, instrumentname FROM Plays;
ARTISTNAME
INSTRUMENTNAME
Ariana Grande Vocal
Ed Sheeran Guitar
Ed Sheeran Piano
ARTISTNAME
INSTRUMENTNAME
 Ed Sheeran Vocal

SQL> SELECT albumname FROM ALBUM;
ALBUMNAME
Divide Nothing Was The Same Stoney Take Care Thank U, Next
SQL> SELECT albumname FROM ALBUM;
ALBUMNAME
Divide Nothing Was The Same Stoney Take Care Thank U, Next
SQL> SELECT songname FROM song;
SONGNAME
Shape of you Eraser Dive Perfect Castle on the Hill Galway Girl Happier New Man Imagine Needy NASA
SONGNAME
Bloodline Fake Smile
13 rows selected.
SQL> SELECT artistname FROM singer;
ARTISTNAME
Ariana Grande Ed Sheeran

SQL> SELECT	artistname FROM rapper;
ARTISTNAME	
Drake Post Malone	
SQL> SELECT	songID, albumName, artist FROM Creates;
SONGID	
ALBUMNAME	
ARTIST	
1 Divide Ed Sheeran	
2 Divide Ed Sheeran	
SONGID	
ALBUMNAME	
ARTIST	
3 Divide Ed Sheeran	
4 Divide	
SONGID	
ALBUMNAME	
ARTIST	
Ed Sheeran	

8	
Divide Ed Sheeran	
9 Thank U, Next Ariana Grande	
SONGID	
ALBUMNAME	
ARTIST	
10 Thank U, Next Ariana Grande	
11 Thank U, Next	
SONGID	
ALBUMNAME	
ARTIST	
Ariana Grande	
12 Thank U, Next Ariana Grande	
13	
SONGID	
ALBUMNAME	
ARTIST	
Thank U, Next Ariana Grande	

SCHEMA:

```
CREATE SEQUENCE comment_id_seq
START WITH 1
INCREMENT BY 1;
CREATE SEQUENCE song id seq
START WITH 1
INCREMENT BY 1;
CREATE TABLE ArtistX (
CREATE TABLE Rapper (
```

```
CREATE TABLE Instrument (
);
   yearsExperience INT,
   FOREIGN KEY (instrumentName) REFERENCES Instrument(instrumentName)
);
CREATE TABLE Album (
    FOREIGN KEY (artist) REFERENCES ArtistX(artistName) ON DELETE CASCADE
);
CREATE TABLE Song (
   artistName VARCHAR(255),
   albumName VARCHAR(255),
   numOfListeners INT,
artist) ON DELETE CASCADE
);
CREATE OR REPLACE TRIGGER BeforeInsertSong
BEFORE INSERT ON Song
FOR EACH ROW
DECLARE
```

```
BEGIN
    SELECT song id seq.NEXTVAL
    INTO :new.songID
    FROM Album
    WHERE albumName = :NEW.albumName AND artist = :NEW.artistName;
       INSERT INTO Album (albumName, artist)
        VALUES (:NEW.albumName, :NEW.artistName);
END;
);
CREATE OR REPLACE TRIGGER thread_before_insert
BEFORE INSERT ON Thread
FOR EACH ROW
BEGIN
   SELECT comment_id_seq.NEXTVAL
   INTO :new.commentID
END;
```

```
CREATE TABLE Singer (
);
CREATE TABLE Producer (
   FOREIGN KEY (artistName) REFERENCES ArtistX(artistName) ON DELETE
CASCADE
);
CREATE TABLE Creates (
DELETE CASCADE,
);
```