Home Work Music: Oracle SQL Class

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# Homework Music: Instructions

Create the tables for this homework in your student schema

## ORDER OF OPERATIONS

When creating tables

1. Create the parent table first (if more than 1 then either one)
2. Create the primary key on the parent table(s)
3. Create the child table
4. Create the primary key on the child table
5. Create the foreign ley on the child that points to the primary key on the parent(s)

When adding data

1. Add the parent records first (if more than 1 parent then either one)
2. If more than one parent exists add the next parent record next
3. Then add the child record using the primary key values from parent/parents

When deleting data

1. Delete the child record first
2. Then you can delete one or more parents if you need to in whichever order you like

# Homework Music: ER Diagram

Artist is parent to Song

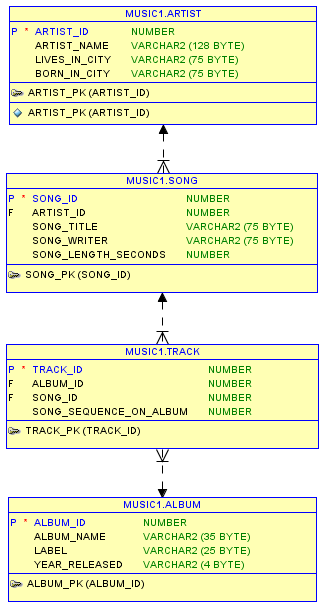
Song is child to Artist

Song is parent to Track

Album is parent to Track

Track is child to Song

Track is child to Album



one to many

one to many

one to many



# Homework Music: Confirmation

Create tables and constraints as discussed above.

Insert the data from **SQL HW 3 Data and Notes.xls**

**Insert the data for 1 your own albums.**

Run the following queries and snip them into a word document. Email me the HW\_Music\_Confirmation.doc.

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-- Homework Music: Confirmation

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-- SQL No. 1 Question. List the artist’s names

select user, sysdate, artist\_name

from artist;

-- Snip this and results into word doc

-- ---------------------------------------------------

-- SQL NO 2.Question. List the song titles and artist's name for every

-- song you have and sort the list by song title

select user, sysdate, artist\_name, song\_title

from artist ar, song s

where ar.artist\_id = s.artist\_id

order by song\_title;

-- Snip this and results into word doc

-- ---------------------------------------------------

-- SQL NO. 3. List the album name and song titles for each album

-- and sort by album\_name

select user, sysdate, album\_name, song\_title

from song s, track t, album al

where s.song\_id = t.song\_id

and t.album\_id = al.album\_id

order by album\_name;

-- Snip this and results into word doc

-- ---------------------------------------------------

-- SQL NO. 4. Question. You are trying to decide if you want to

-- buy another album from an artist you already have

-- in your collection.

-- So list artist\_name, album\_name, song\_title for every album

-- you have for your artist.

select user, sysdate, artist\_name, album\_name, song\_title

from artist ar, song s, track t, album al

where ar.artist\_id = s.artist\_id

and s.song\_id = t.song\_id

and t.album\_id = al.album\_id

and artist\_name = 'Your Artist Here';

-- Snip this and results into word doc