Assignment 2

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I could have 3 separate databases, one for the music, employees, and customers. I just want to focus on my music database first. I can see my database being split being categorized into catalog Number, artist, album/title, label, companies, credits, right Societies, track durations, track titles, number of tracks, label code, size, and rpm, and either vinyl or cassette, or CD, genre, and cost. The database would be owned by the company, and it would be managed by the database team. Obviously, the database team will have access to the database and the owner of the company would also have access too.

Part two:

1). How would you distinguish between your catalog number and your label code?

Answer: Select Catalog number

From Music\_Lib

WHERE PK = Catalog number

2). What songs has a duration of 3 min?

Answer: Select catalog number, Artist, Title/album, and track durations

From Music\_Lib

Where track duration = 3:00

3.) how many elements are in your SQL = catalog Number, artist, title/album, label, companies, credits, right Societies, track durations, track titles, number of tracks, label code, size, and rpm, media, genre, and cost.

Where: Music\_lib

4.) where is the artist “joe “information

Answer: select Catalog number, artist, label code

From: Music Lib

Where: artist = Joe and Catalog Number = 01101

5). What genre is the ACDC album in?

Answer: Select catalog number, artist, genre, album/title

From Music Lib

Where artist = ACDC and Catalog number = 11211 and album = “Back in Black and genre = “rock”

6). What is the Catalog Number for zed French Fry Album?

Answer: Select Catalog Number, artist, album/title

From: music lib

Where Artist = zed and album = French Fry and Catalog number = 33311

7). Is the James Bond soundtrack album on vinyl or cassette, CD?

Answer: Select catalog number, album, media

From music\_lib

Where catalog number = 12347 and album = James Bond Soundtrack and Media = CD

8). What if an album exists on two or more different forms of media?

Answer: Select catalog number, artist, album, media

From: music Lib

Where: catalog number = 66213 and artist = Drake, album = Certified lover boy and media = Vinyl

Where catalog number = 77214 and artist = Drake, album = Certified lover boy and media = CD

9). What will the database look like if you were missing an artist name?

Select: catalog number, artist, album, media, label code

From media lib

Where catalog number = 92371 and artist = NULL and album is “appetite For Destruction” and media = vinyl and label code = 22641.

10). How can you distinguish between two artists with first name of “Frank”?

Answer: Select catalog number, artist, album, genre

From Music lib

Where Catalog number = 99446 and artist = Frank Zappa and album = Red Curtain and genre = Rock.

Where Catalog number = 87643 and artist = Frank Ocean and album = Butterfly and genre = R&B.

11). Can two versions of the same album exist in your database.

Answer: Select catalog number, artist, album, media,

From: music\_lib

Where catalog number = 45609 and artist = Michael Jackson and Album = Thriller and media = Cassette.

Where catalog number = 46708 and artist = Michael Jackson and Album = Thriller (Platinum Edition) and media = Cassette.

12.) What Black Keys Album has a Track Number of 6?

Answer: Select catalog number, album, number of tracks.

From music lib

Where Catalog number = 11704 and album = brothers and number of tracks = 6.

13). If your media is a CD will some elements be left null?

Answer: Select Catalog number Artist, album, Media, rpm, size

From music lib

Where: Catalog number = 62385 and artist = the vines and Album = get Free and media = CD and rpm = null and Size = null.

14). Can two albums have the same name?

Answer: Select catalog number, artist, album

From music lib

Where Catalog number = 77462 and artist = Pink Floyd and album = Dark Side Of The Moon

Where Catalog number = 77462 and artist = Medicine head and album = Dark Side Of The Moon

15). In your database can two different artist works with the same company.

Answer: select catalog number, artist, company

From music lib

Where Catalog number = 42134 artist = Rush and the company = Atlantic Records

Where Catalog number = 88625 artist = Vice Staples and the company = Atlantic Records

16). Can the multiple versions of the same album have different rpms?

Answer: Select catalog number, artist, album, rpm

From music lib

Where catalog number = 88621 and artist = Metallica and album = Metallica and rpm = 35

Where catalog number = 77126 and artist = Metallica and album = Metallica(remastered) and rpm = 35

17). How can you find the cost of a album?

Answer: Selcect catalog number , artist, album, and cost.

From music lib

Where Catalog number = 545421 and artist = Kanye West and Album = Dona and cost = 45 USD.

PART 3

The Reason why my partner would need a database is because of the large inventory he has of vehicle parts. Beside building a database for his staff and customers. He would need one to keep track of his inventory.

PART 4

1). How would you differentiate what exhaust goes to what bike?

Answer: select bike type, exhaust

From inventory

Where bike type = Motorcycle Cruiser and exhaust = type 3

2). How would you separate women’s riding gear and men’s riding gear?

Answer: select helmet, jacket, pants, gloves, boots, and riding suits

Where Helmet = Women’s, jacket = women’s, plants = women’s, gloves = women’s, boots = women’s, riding suits = women.

Where Helmet = men’s, jacket = men’s, plants = men’s, gloves = men’s, boots = men’s, riding suits = men’s

3). How would you classify each bike type?

Answer: Select bike type

From inventory

Where bike type = motorcycle speeder

Where bike type = motorcycle cruiser

Where bike type = mountain bike