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Assignment #2

Our company Spotify has three offices that contain all the data in our database. Those three offices are in the U.S., Canada, and Mexico. The database is owned by our special team located in three different offices. We call them DBST also known as our database support team, they manage all ticket sales, purchases, music, albums and a whole lot more. The database will keep track of how many times you listen to a song, what genres you listen to the most, favorite artists, most searched songs/albums/podcasts/etc. we also keep track of the song length and time people like to engage with, like how fast or how often they skip a song or replay the same song. Featured artists are also stored in our database, our customers may sometimes just like the featured artists. We also keep track of what year and day the song or album came out; this gives the customer a more variety to search for old or recent music. Our focus is providing the best services we can by keeping our customers up to date on their favorite artists and music. We keep track of everything you search for, like, listen, follow, etc. to make sure we can give you the best updates. It becomes an easier search when everything is organized with the top things you listen to. Our employees work constantly on providing the best way to purchase and catch up on your favorite artist concerts or meet and greets. The database collects when you purchase a concert ticket to guarantee your seat in the stadium, so we never overload our capacity in parking spots or seats. Ticket purchases are done online, it makes it easier for the customer and database to store the data efficiently. Our database also works to schedule our DBST work schedule weekly. The staff will be collecting data for its location only and will work together to update the whole application all at once.

Question 1: Who's working on updating newsfeed and performance on the app the week of

09/13-09/19?

Select Fname, Lname, ID

From TimeSheet

Where location = Canada,U.S.,Mexico

And dataWK = most searched songs

Question 2: Who is working on upcoming concerts and tickets sales on the weekend?

Select Fname, Lname, ID

From TimeSheet

Where location = Canada,U.S.,Mexico

And date = 9/19-9/21

Question 3: How many concert tickets were purchased online on the weekend?

Select TicketSales, NumTickets,

From TotalPurchased

Where location = Canada,U.S.,Mexico

And date = 10/1-10/3

Question 4: What is the cost of concert tickets in January?

Select ticketCost, NumTickets

From TotalSales

Where Date = 01/2022

And location = Canada,U.S.,Mexico

Question 5: Is there student discounts for Spotify premium or concerts?

Select StudentdiscPremium/concerts

Where date = 01/2022-12/2022

And location = Canada,U.S.,Mexico

Question 6: How many concert tickets were purchased online on weekdays?

Select purchasedtickets, ticketSales

From TotalSales

Where date = Monday-Friday

And location = Canada,U.S.,Mexico

Question 7: What percentage of profit did we make selling these concert tickets?

Select percentProfit

From TotalSales

Where date = 01/2022-12/2022

And location = Canada,U.S.,Mexico

Question 8: What artists will be performing in Canada on 09/28/2021?

Select ArtistPerforming

Where date = 09/28/2021

And location = Canada

Question 9: How many EDM festivals will be in November?

Select FesticalConserts

Where date = 11/2021-12/2021

And location = Canada,U.S.,Mexico

From totalSales

Question 10: What new songs will be coming out in the month of October?

Select NewMusic, Genre,Artists

Where date = 10/2021-11/2021

And location = U.S.

Question 11: What new albums will be coming out in December?

Select Newalbum, Genre, Artists

Where date = 12/2021-01/2022

And location = U.S., Canada, Mexico

Question 12: Is there any upcoming meet and greet for any artists?

Select meetArtists

Where date = 01/2022-12/2022

And location = U.S., Canada, Mexico

Question 13: What podcasts are trending at the moment?

Select TrendingPodcast

From motivational/comedian

Where date = October-January

And location = U.S., Canada, Mexico

Question 14: What artist will be releasing new songs in the next 3 months?

Select newsongs, mostviewed

From genre/artist/favorites

Where date = 09/15/2021-12/15/2021

Question 15: What artist will be releasing albums in the next 6 months?

Select newAlbums, music, trending

From genre/artist/favorites

Where date = 09/15/2021-03

And location = U.S., Canada, Mexico

Question 16: what songs were deleted or taken down by the artists?

Select Fname, Lname, SongName

From Artist

Where date = 09/25/21

Question 17: Will there be a band or group concert in the month of March?

Select Fname, Lname, GroupName

From eventLocation

Where location = U.S., Canada, Mexico

Question 18: How much money was made from entrance fees on Saturday and Sunday at Naperville?
Select EntrFee
From TotalSales
Where Date = 9/11/21, 9/12/21

And Location = Naperville

Question 19: how long can I rent out the main event party for 200 guests?

Select partyRental

From totalSales

Where date = 09/18/2021

And location = Schaumburg

Question 20: does your database store all of the inventory for food and bar?

Select inventoryItems

From Sales

Where date = 09/13/2021

And location = all locations

Partners Database: My partner is working on a sports arena database that basically stores on data on who and when someone wants to rent a field, when club teams for different sports wants to use the fields for practice or game days. The arena is available to anyone, they provide a main event floor for parties. The database holds a lot of information starting with staff workday schedules and the number of sales at the entrance, bar, food location, etc. typically anyone entering will be charged a five-dollar fee. When it comes to big games or big parties my partner mentioned that the database would have to keep track of the parking spots that will charge a fee and of tickets sales of each seat without charging an entrance fee. If it is a major event the workers will keep track of parking entrance/fee and arena entrance/tickets sales. The arena has a public database that will display when and which field your team or rental field will be located at. It makes it easier for the customer to be able to walk in and see where they'll be located prior to their game or rental time.