Cristian Lara

09/12/2021

My database will collect a few different information. One of the main ones is going to be the store information. In it will be store the PK with the store code, the store hours, number of part time and full-time employees, store number, and the address. Secondly, we will also collect shipment dates. Each shipment will be labeled with a corresponding shipping number, in it will be the time it arrived at the store, the products it brought, and the expected shelf life of the product. Another piece of data being stored will be the inventory count of the soap bars, each will have a PK that is their unique identification, we will store count of them, count of beginning inventory, count of sold items, and the shipment number it came in. We don’t get new product until we run out, so we don’t have to worry about having two shipment codes in the shipment data. Another set of data collected will be employees, they will have their days available store, benefits, type of hours (full time or part time), and personal information (address, number, etc.) The database is owned by AWS. It’s mainly managed by the store owner: Cristian. However, all employees have access to the database parts that contain the inventory and shipment numbers. This database parts can be accessed by the checkout terminals as it is important information to know.

Notes for me:

SELECT column1,column2, ...  
FROM table\_name;

WHERE condition AND/OR condition2 AND/OR condition3 ...;

1. How many Lemon dry skin bars are left?
   1. Select inventoryLeft
   2. From SoapBarInventory
   3. Where prodId=D101
2. What’s the shelf life of this calming oily skin bar?
   1. Select ShipmentDate
   2. From SoapBarInventory
   3. Where prodId=O305
      1. From here we will jump to ShipmentFacts Table and select shelfLife where ShipmentDate=what we collected
3. What are the store hours?
   1. Select storeHours
   2. From StoreInformation
   3. Where date=Wednesday
4. How many items did the last shipment bring?
   1. Select NewInventory
   2. From ShipmentFacts
   3. Where ShipmentNumber=001
5. How many part time employees are there?
   1. Select firstName,lastName
   2. From StoreInformation
   3. Where JobStatus=Part Time
6. How many full-time employees are there?
   1. Select firstName,lastName
   2. From StoreInformation
   3. Where JobStatus=Full-Time
7. Do you guys offer benefits (Question from worker (Cristian))?
   1. Select BenefitsOffered
   2. From WorkerInformation
   3. Where EmployeeName=Cristian
8. When was your last shipment?
   1. Select ShipmentArrivalDate
   2. From ShipmentFacts
   3. Where prodId=010
9. How many Mango Butter sensitive skin bars are left?
   1. Select inventoryLeft
   2. From SoapBarInventory
   3. Where prodId=S205
10. What’s the shelf life of this Charcoal oily skin bar?
    1. Select ShipmentDate
    2. From SoapBarInventory
    3. Where prodId=O309
       1. From here we will jump to ShipmentFacts Table and select shelfLife where ShipmentDate=what we collected
11. How many Almond Butter dry skin bars are left?
    1. Select inventoryLeft
    2. From SoapBarInventory
    3. Where prodId=D207
12. How much do Lemon dry skin cost (To buyer)?
    1. Select prodCostToCust
    2. From SoapBarInventory
    3. Where prodId=D101
13. How many managers are there?
    1. Select firstName,lastName
    2. From StoreInformation
    3. Where JobStatus=Manager
14. What’s the stores sales of Pumpkin dry skin bars?
    1. Select NumberSold
    2. From SoapBArInventory
    3. Where prodId=D105
15. This product doesn’t have a label what is it? (D309)
    1. Select prodName
    2. From SoapBarInventory
    3. Where prodId=D309
16. How much do part time workers make?
    1. Select currentPay
    2. From StoreInformation
    3. Where JobStatus=Part Time
17. How much does the Apple dry skin bars cost to the company?
    1. Select costToCopm
    2. From SoapBarInventory
    3. Where prodId=D103

One of my partners Rolando is working on a Spotify database. I believe he’s keeping track of like the music the user likes to hear (genre), and the account the user hold. I wasn’t yet completely sure what other information he was going to hold, but I imagine most of it was going to be like top song, top genre, last played, and account status.

Questions:

1. What was my most recently played song?
   1. Select name,artist
   2. From RecentlyPlayed
   3. Where LastPlayed=Last available time
2. What Genre do I listen to the most?
   1. Select topGenrePlayed
   2. From TopGenres
   3. Where CustomerId=01029039
3. When is my next billing cycle?
   1. Select billingDate
   2. From AccountBillingInformation
   3. Where customerID=01029039