**LangChain User Prompts**

| **Level: Easy** | **Output** |
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| Database: Chinook  Prompt: I want a list of all customers from Canada.  Query: SELECT \*  FROM Customer  WHERE Country = 'Canada'; |  |
| Database: Chinook  Prompt: What are the top 3 countries with the most customers?  Query: SELECT Country, COUNT(\*)  FROM Customer  GROUP BY Country  ORDER BY COUNT(\*) DESC  LIMIT 3; |  |
| Database: Chinook  Prompt: Give me all tracks where the composer's name is "Willie Dixon".  Query: SELECT \*  FROM Track  WHERE Composer = "Willie Dixon"; |  |
| Database: Chinook  Prompt: Return email that ends in '.com' from customer table.  Query: SELECT email  FROM customer  WHERE email LIKE '%.com%'; |  |
| Database: Chinook  Prompt: Show me first name and last name where state is null from the customers table.  Query: SELECT FirstName,  LastName  FROM Customer  WHERE State IS NULL; |  |
| Database: E-Commerce  Prompt: What are the different payment types used in the orders?  Query: SELECT DISTINCT payment\_type  FROM order\_payments; |  |
| Database: E-Commerce  Prompt: What are the product categories available in the database?  Query: SELECT DISTINCT product\_category\_name  FROM product\_category\_name\_translation; |  |
| Database: E-Commerce  Prompt: How many sellers are there in each state?  Query: SELECT seller\_state, COUNT(\*)  FROM sellers  GROUP BY seller\_state; |  |
| Database: E-Commerce  Prompt: How many orders are there for each order status?  Query: SELECT order\_status, COUNT(\*)  FROM orders  GROUP BY order\_status; |  |
| Database: E-Commerce  Prompt: What is the most frequently used payment type?  Query: SELECT payment\_type  FROM order\_payments  GROUP BY payment\_type  ORDER BY COUNT(\*) DESC  LIMIT 1; |  |
| Database: E-Commerce  Prompt: Which states have the most sellers? Show the top three.  Query: SELECT seller\_state  FROM sellers  GROUP BY seller\_state  ORDER BY COUNT(\*) DESC  LIMIT 3; |  |
| Database:Employees  Prompt: Give me people who have worked for more than 2 years and company is 13  Query: SELECT \*  FROM employment  WHERE Year\_working > 2  AND Company\_ID = 13; |  |
| Database:Employees  Prompt: Give the name and headquarters of all companies whose headquarters is in USA  Query: SELECT Name, Headquarters  FROM company  WHERE Headquarters = 'USA'; | ` |
| **Level: Moderate** |  |
| Database: Chinook  Prompt: Give me customer names and their invoice amount for all invoices for customer ID 2.  Query: SELECT T1.FirstName,  T1.LastName,  SUM(T2.Total)  FROM Customer AS T1  JOIN Invoice AS T2 ON T1.CustomerId = T2.CustomerId  WHERE T1.CustomerId = 2  GROUP BY T1.CustomerId; |  |
| Database: Chinook  Prompt: Get all tracks from the genre reggae, genre id 8  Query: SELECT Name  FROM Track  JOIN Genre ON Track.GenreId = Genre.GenreId  WHERE Genre.Name = 'Reggae’; |  |
| Database: Chinook  Prompt: Give me customer names and their invoice amount for all invoices for all customers  Query: SELECT T1.FirstName,  T1.LastName,  SUM(T2.Total)  FROM Customer AS T1  JOIN Invoice AS T2 ON T1.CustomerId = T2.CustomerId  GROUP BY T1.CustomerId; |  |
| Database: Chinook  Prompt: Show all album names, artist id, and artist name from artist table.  Query: SELECT T1.Title,  T1.AlbumId,  T1.ArtistId,  T2.Name  FROM Album AS T1  JOIN Artist AS T2 ON T1.ArtistId = T2.ArtistId; |  |
| Database: Chinook  Prompt: Return genre names and a count of all tracks from tracks.  Query: SELECT T2.Name,  COUNT(\*)  FROM Track AS T1  JOIN Genre AS T2 ON T1.GenreId = T2.GenreId  GROUP BY T1.GenreId; |  |
| Database: Employees  Prompt: What is the average age of employed people?  Query: SELECT AVG(T1.Age)  FROM people AS T1  JOIN employment AS T2 ON T1.People\_ID = T2.People\_ID; |  |
| Database: Employees  Prompt: Who are the employees of top 3 companies based on total sales?  Query: SELECT T1.Name  FROM people AS T1  JOIN employment AS T2 ON T1.People\_ID = T2.People\_ID  JOIN company AS T3 ON T2.Company\_ID = T3.Company\_ID  ORDER BY T3.Sales\_in\_Billion DESC  LIMIT 3; |  |