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SQL Project

Queries Captures

Task 1:

Create Database **PROJECTSA**, extract all the CSV files in AdventureWorks.zip, and import all the CSV files extracted in the database created.

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Task 2:

Write SQL queries and create a dashboard in Excel that contains charts showing:

(a) Total Sales for each product name

(b) Total tax amount for each product color

(c) Total freight for each product name

(d) The sum of proportion of the sum of total product cost for each product name

Note: The required data to answer the questions are found in 2 Tables namely:

1. AdventureWork\_Sale
2. AdventureWorks\_Products

Therefore, we have to join the 2 Tables and create a view. We can then query the view to answer the questions (a) – (d)

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Also since we need to take the extracted data from (a) –(d), we need to create a view for reach of the queries for (a) – (d).

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Task 3:

Write SQL queries and create a dashboard in Excel that contains charts showing:

(a) Total sales amount and total freight from each country

(b) Percentage of Total tax amount for each region

Note: The required data to answer the questions are found in 2 Tables namely:

1. AdventureWork\_Sales
2. AdventureWorks\_Terrtory

Therefore, we have to join the 2 Tables and create a view. We can then query the view to answer the questions (a) and (b):

Qn 3a

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Extract Required the Total Sales from each country and Total Freight from each country from the view created above:

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Qn 3b

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4. Import Table **World GDP** into Database **PROJECTSA** Write SQL queries and create a dashboard in Excel that contains charts showing:

(a) United Nations Estimate for each Country Territory in Europe

(b) Total World Bank Estimate in each UN Region

(c) UN Region with Average World Bank Estimate greater than 100000

(d) Country Territory with total World Bank Estimate greater than 2000000

Answer

A look at the file shows some repetitions in the top 3 rows. There was also some minor errors on the headers. These were cleaned before loading to the database. The data is in an MS Excel format, therefore, it was converted to a CSV file for it to be loaded to the database.

The Table was then uploaded to the PROJECTSA database.

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