**Raw Database**

**Sales table consists of**

* Customers
* Date
* Markets
* Products
* Transactions

**Transactions Table :**

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**Problems in the database :**

Sales amount is -1 and currency = “USD”.

Total entry in sales Transactions Table : 1,50,283.

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Total Entry in the customers table : 38 count

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**Markets Table :**

**Problems:**Zone Missing In last 2 enteries.

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Overall Transactions done in Chennai \_ having market\_code = “Mark001”.

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Count total number of entries in Chennai :

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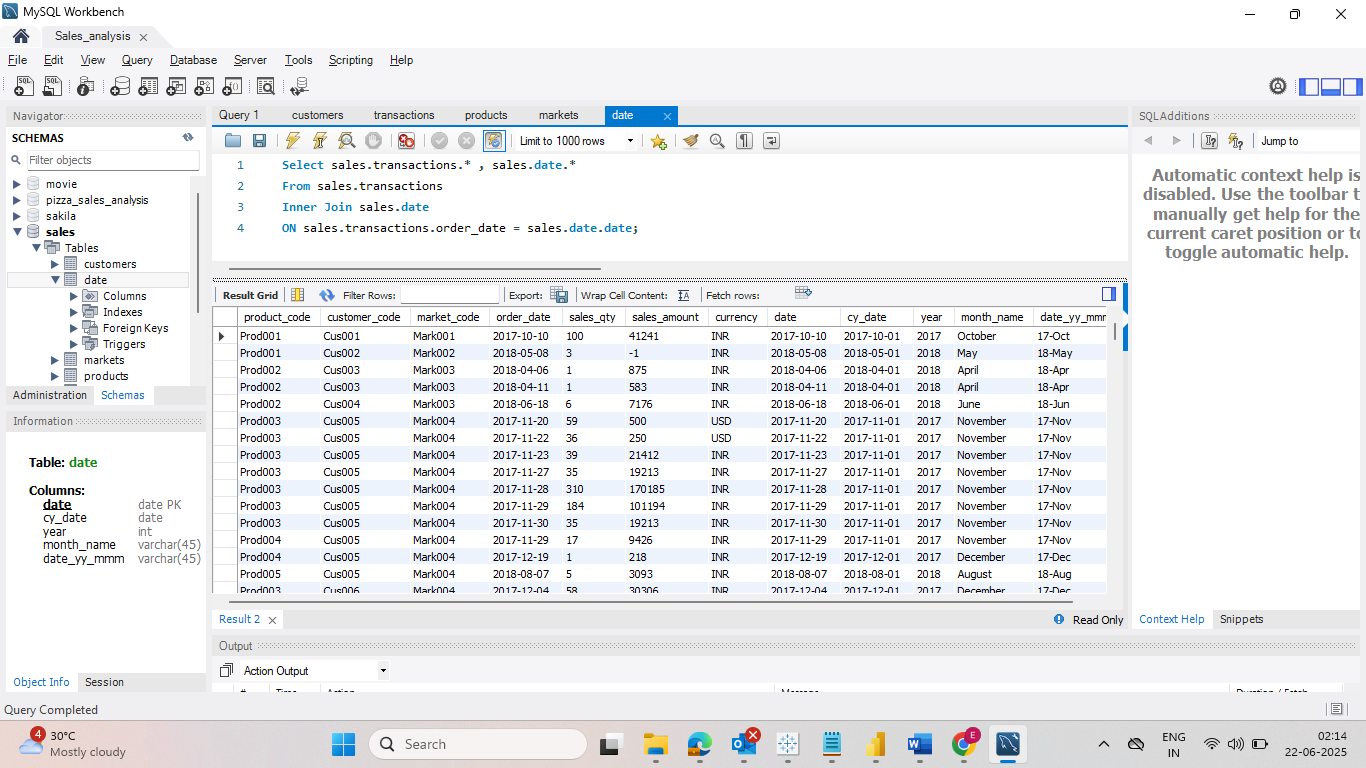
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To check the transactions based on the year and date – using inner join   
Select sales.transactions.\* , sales.date.\*

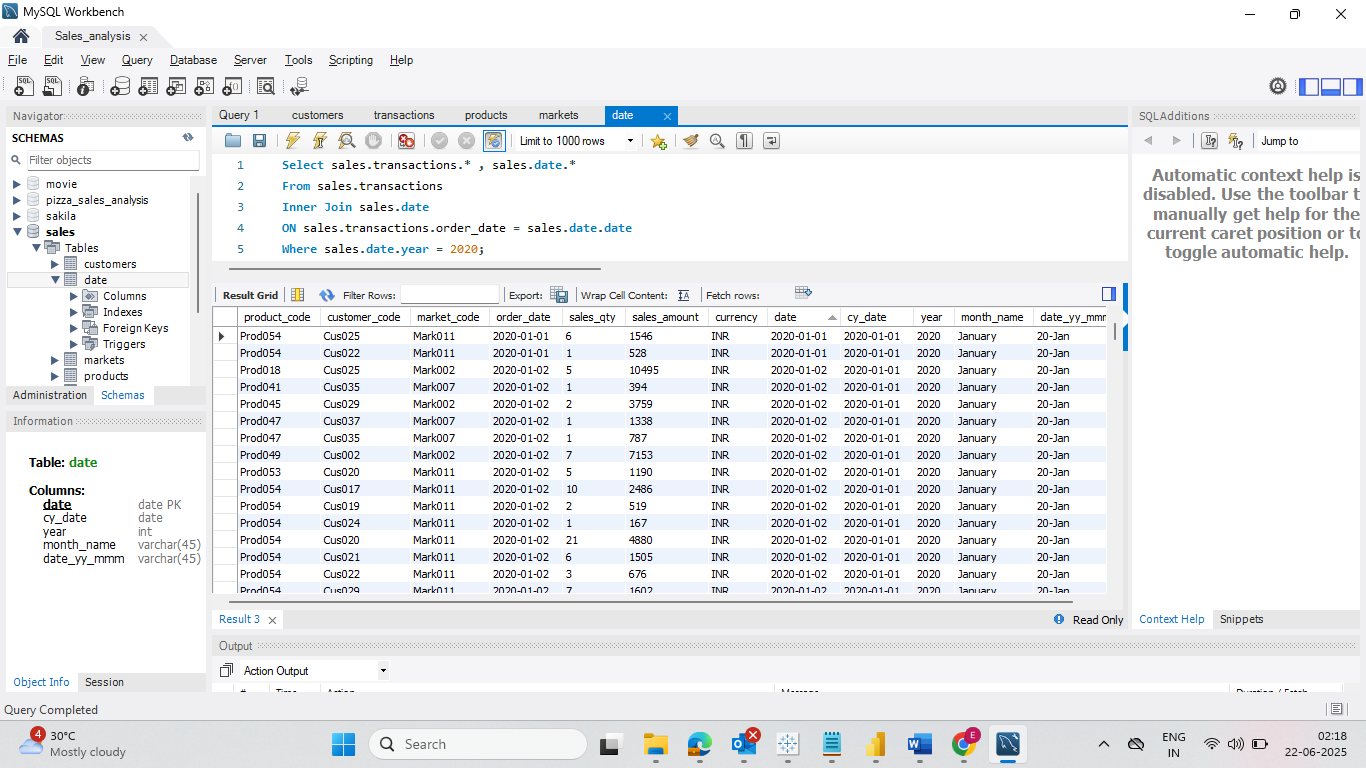
From sales.transactions

Inner Join sales.date

ON sales.transactions.order\_date = sales.date.date;



Where year = “2020”.

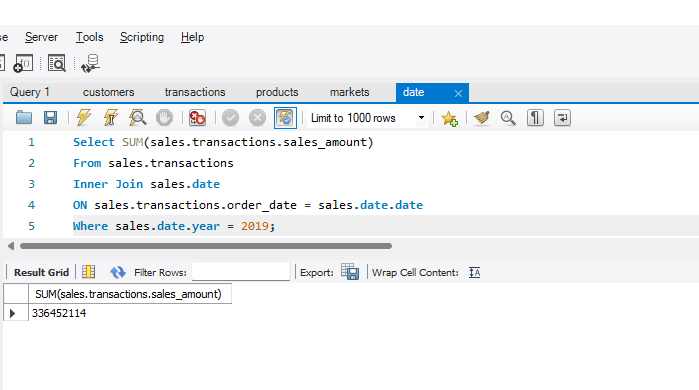


* Finding the total revenue for the year 2020.

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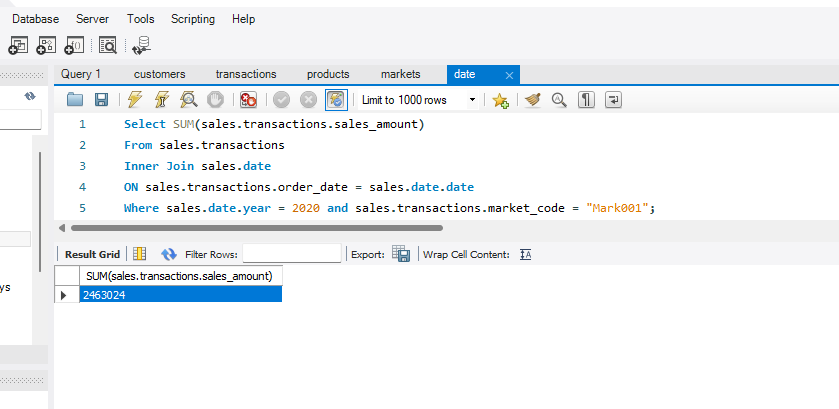
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Sales revenue for the year 2019

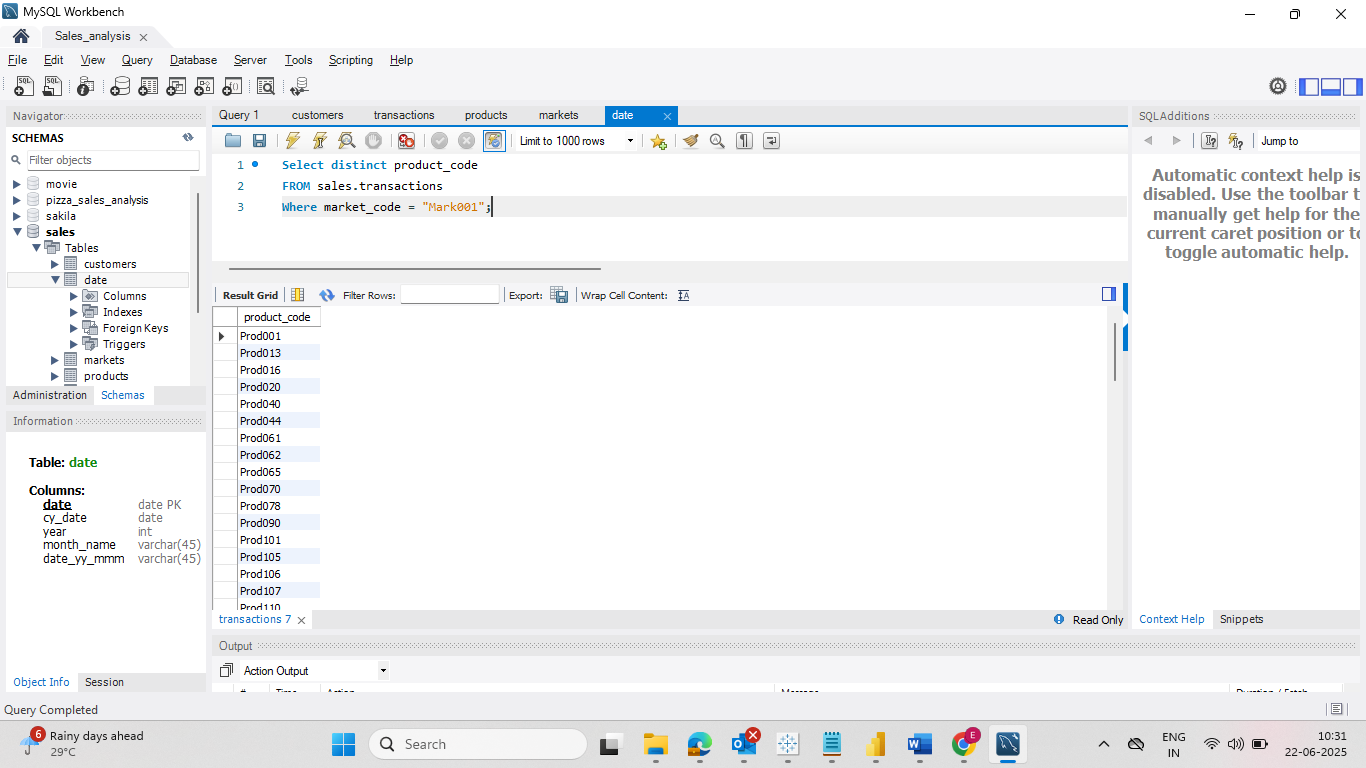


* Declining in the amount of the revenue compared to the last year

Understanding the total revenue for the year = 2020 and zone = “Chennai “ Using market\_Code = “Mark001”.



Select Distinct Product\_code from Transactions Table where Market\_code = “mark001”



2. Import to PowerBi

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Star Schema – {sales Date and sales market were not connected with the schema.}

1. Removing Blank spaces from the market table.

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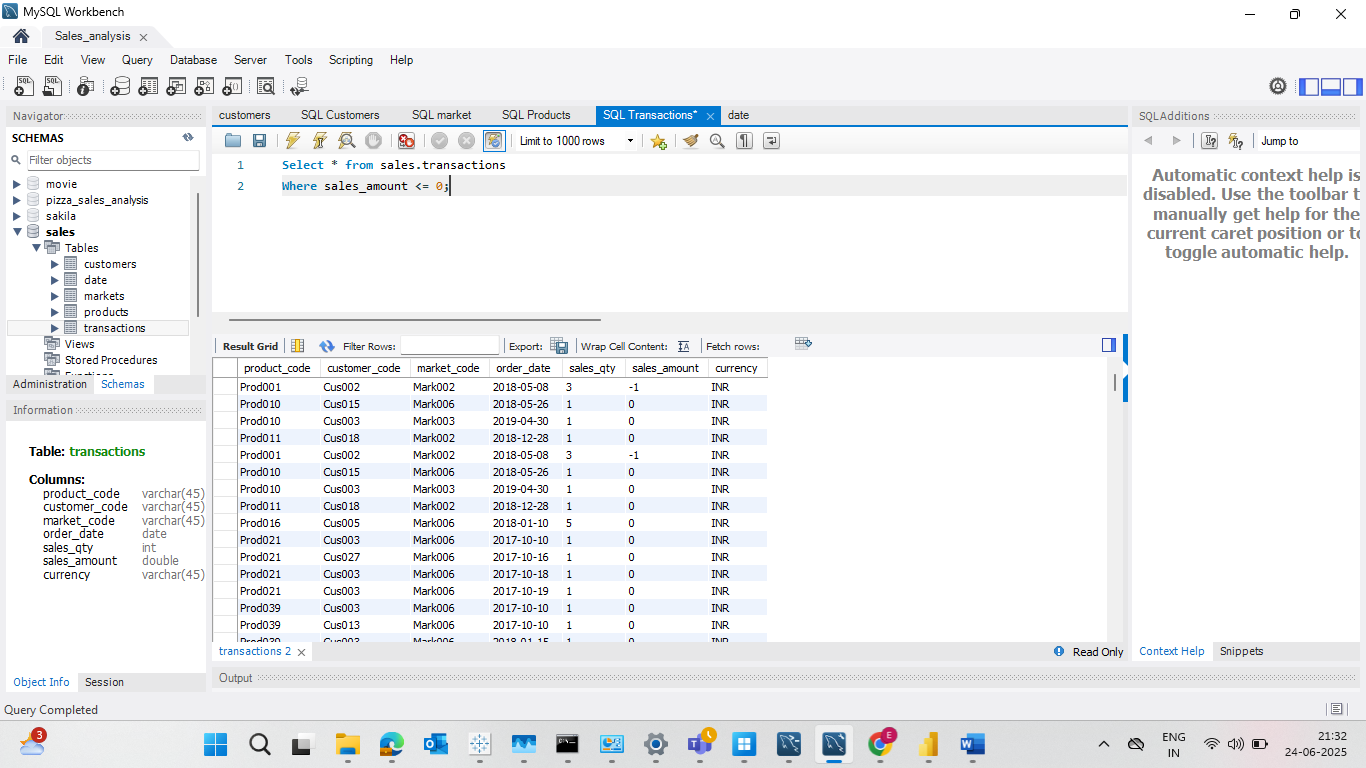
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1. After removing blank spaces from the market table.

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AI-generated content may be incorrect.

1. Next working on sales Transactions ,through sql checking that amount <= 0

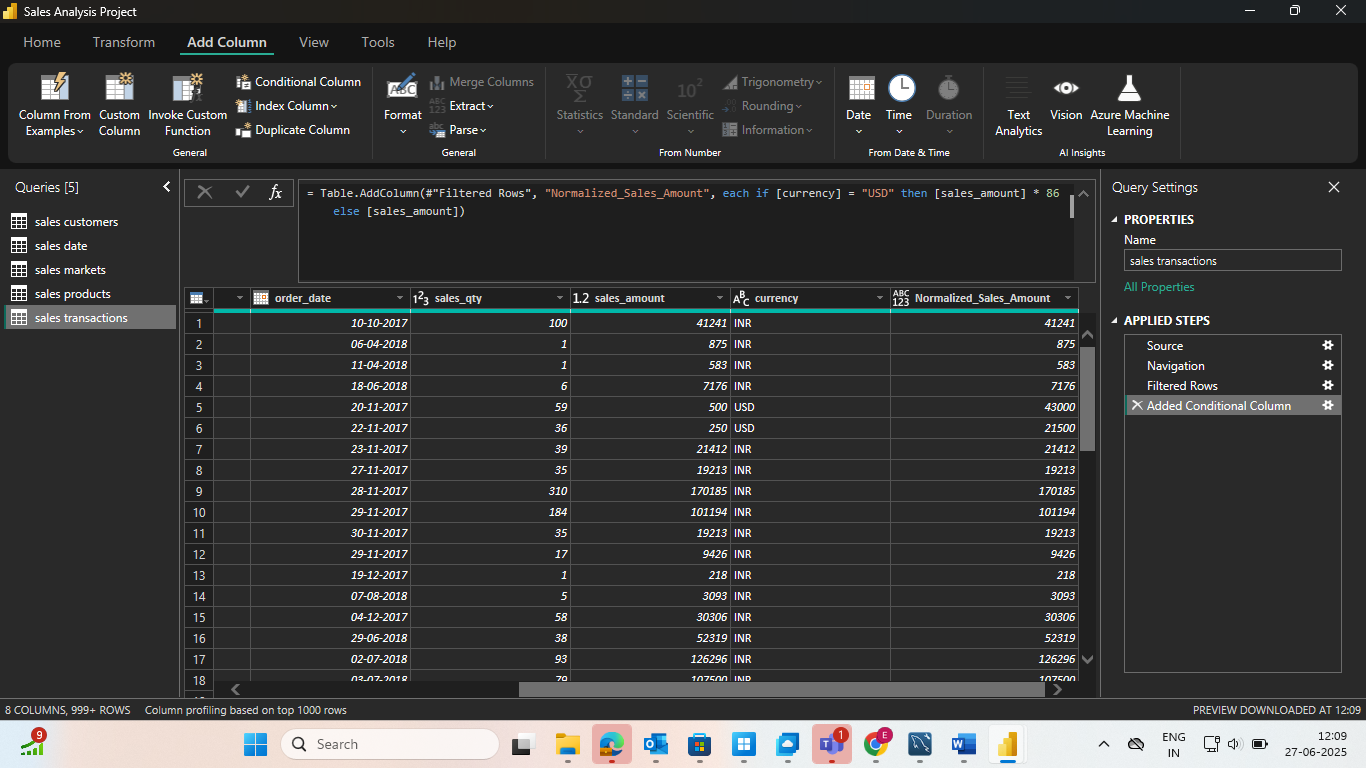


1. Apply conditional formatting column to filter and transform USD data into INR currency.

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(v) Transformed the currency from “USD” into ‘INR’ using conditional column.

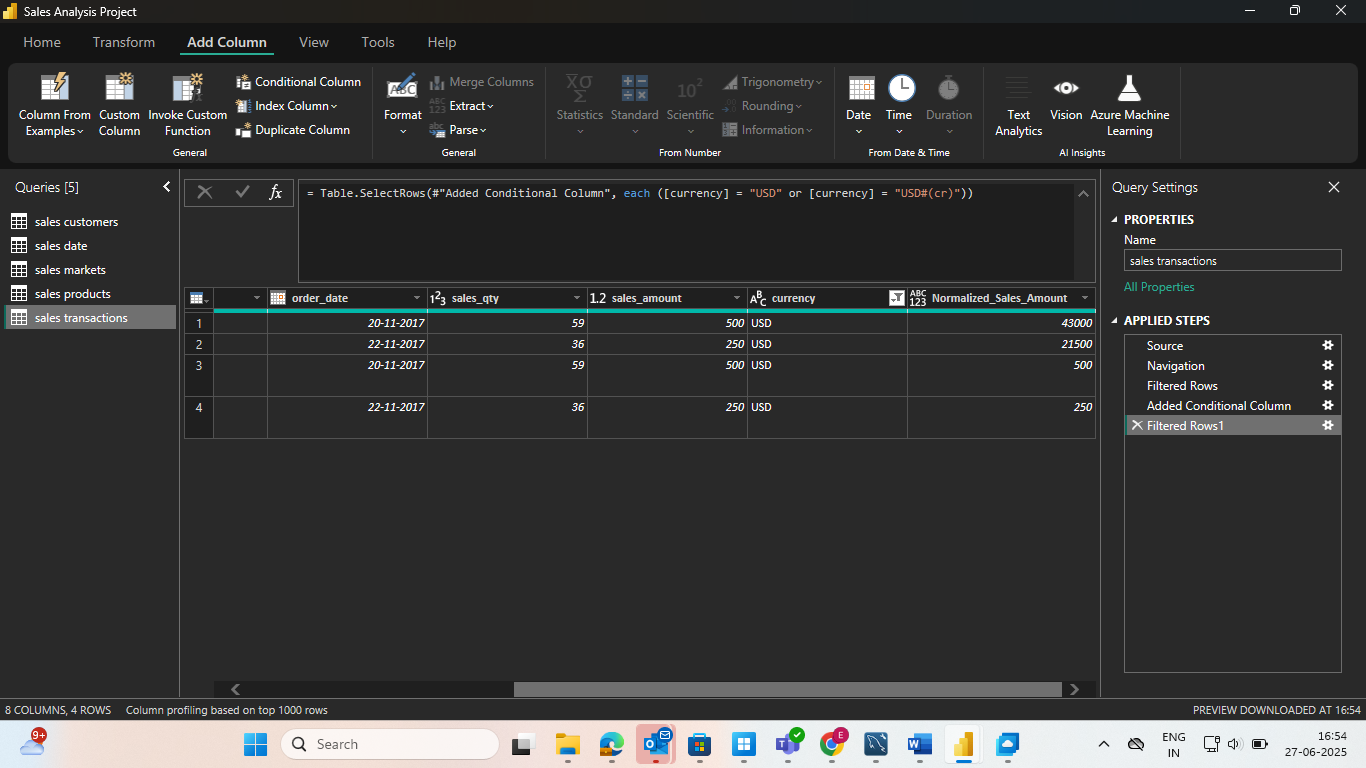


(vi) While Cleaning the data in currency duplicates field are shown.

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(vii) Problem : There are two types of currency which are formed due to which the transformation has not been applied.



(vii) After applying the conditional formatting based on the formulas :

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(viii) The changes are applied successfully.

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(ix) Select sales. Transactions to understand the different kind of entity.