**SQL Assignment**

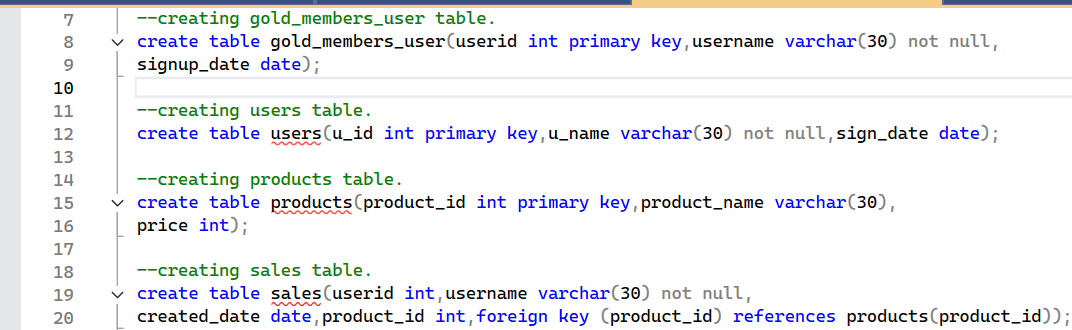
**Assignment- 1:-**

1. Created the database and using the database.

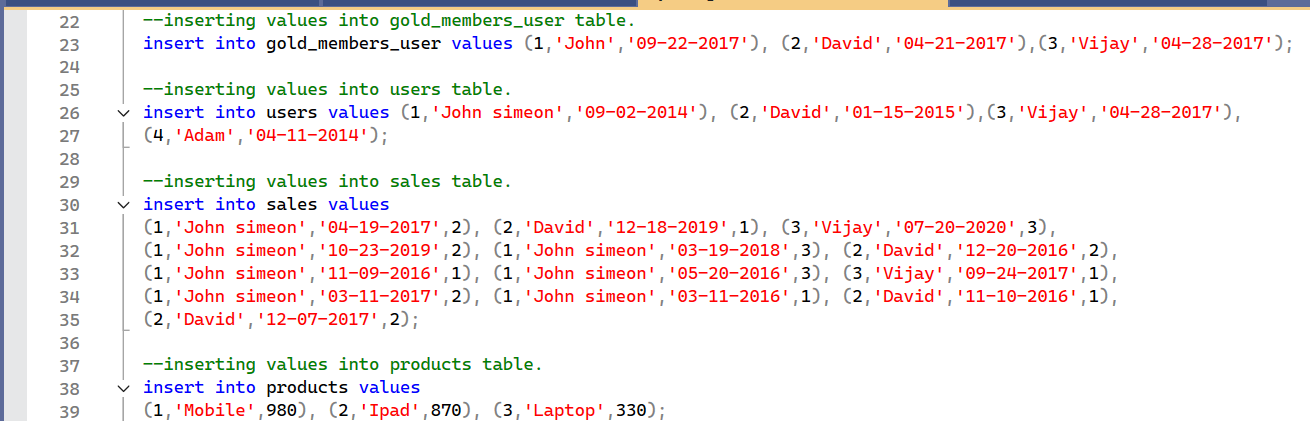
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1. Created 4 tables: gold\_member\_users, users, sales, and product under the sql\_assignment1 database.



1. Inserted the provided values into all 4 tables with correct datatypes.

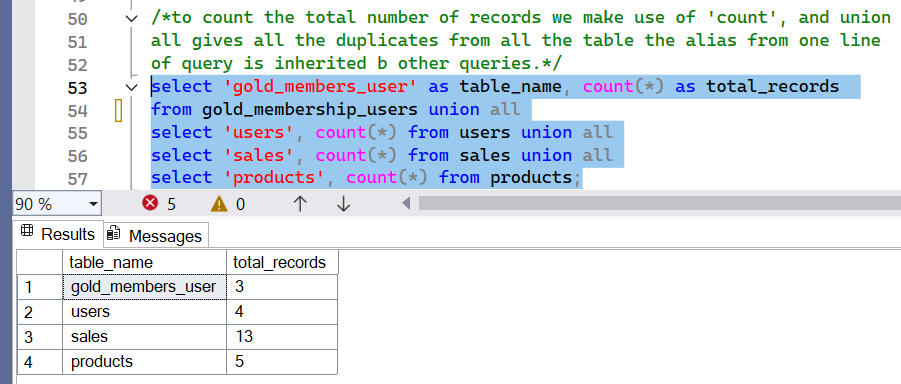


1. Displayed all tables present in the sql\_assignment1 database.

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1. Counted all records from all four tables using a single query.

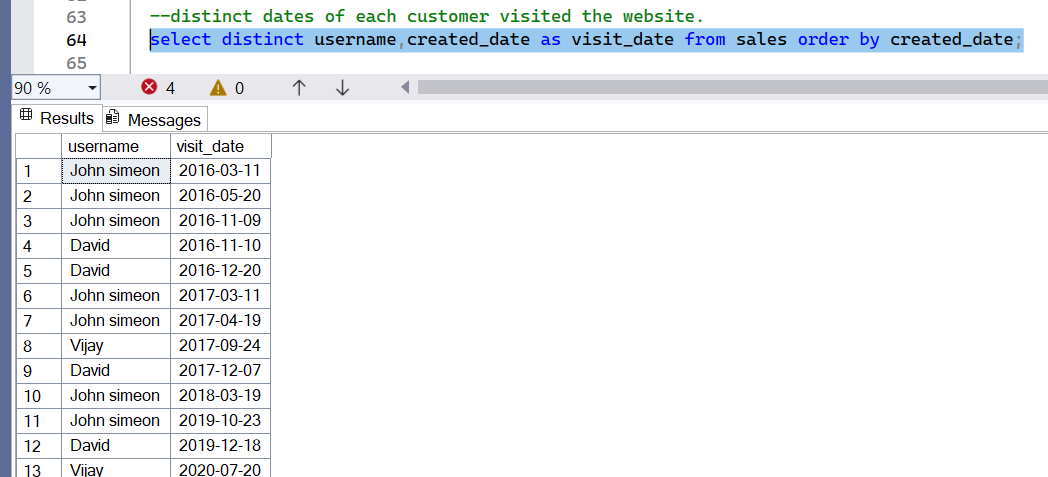


1. Retrieved the total amount each customer spent on the ecommerce platform.

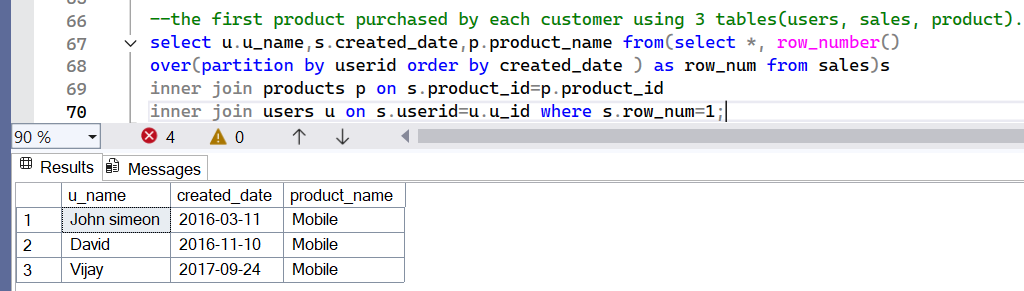
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1. Fetched distinct dates each customer visited the website with customer names.



1. Identified the first product purchased by each customer using users, sales, and product tables.

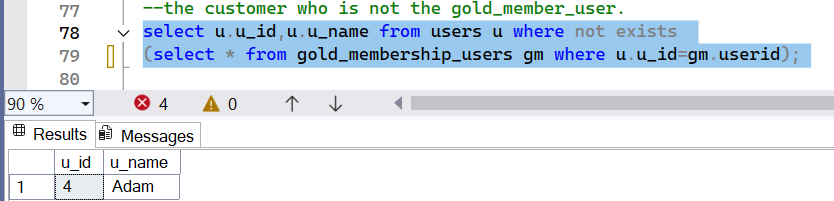


1. Found the most purchased item of each customer and how many times it was bought.

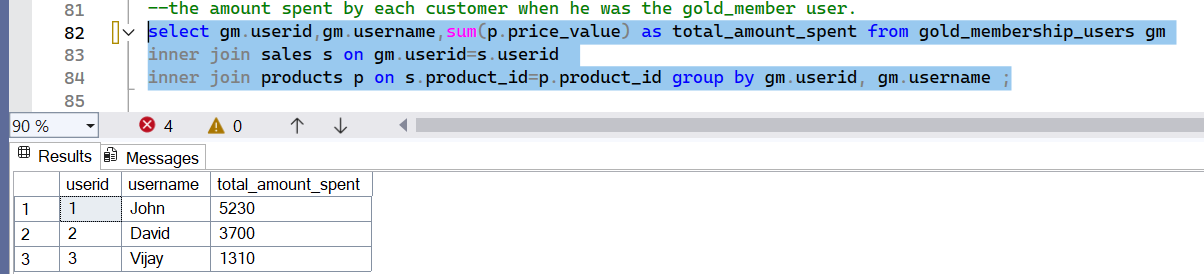
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1. Retrieved customers who are not gold members.



1. Calculated the amount spent by each customer while being a gold member.



1. Listed customer names that start with the letter A.

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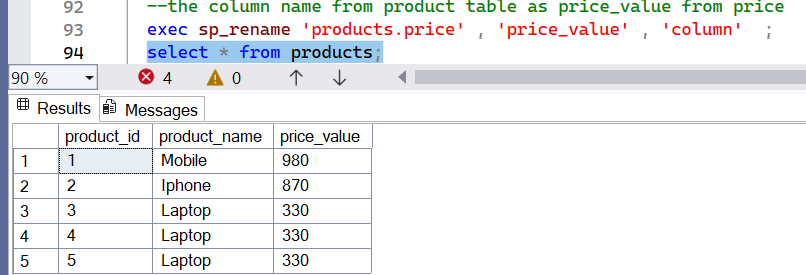
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1. Displayed distinct customer IDs.

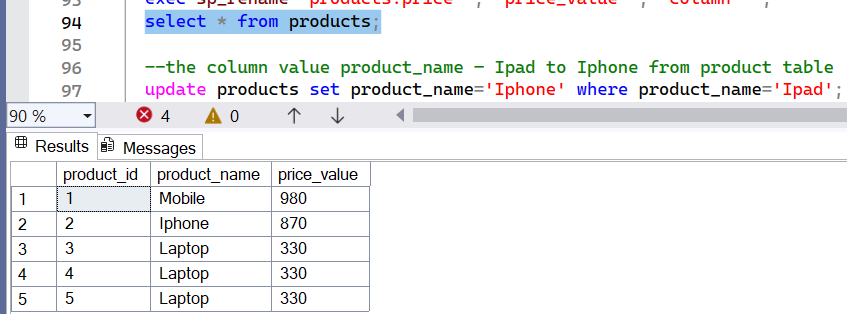
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1. Renamed the column price to price\_value in the product table.



1. Updated the value of product\_name from *Ipad* to *Iphone* in the product table.

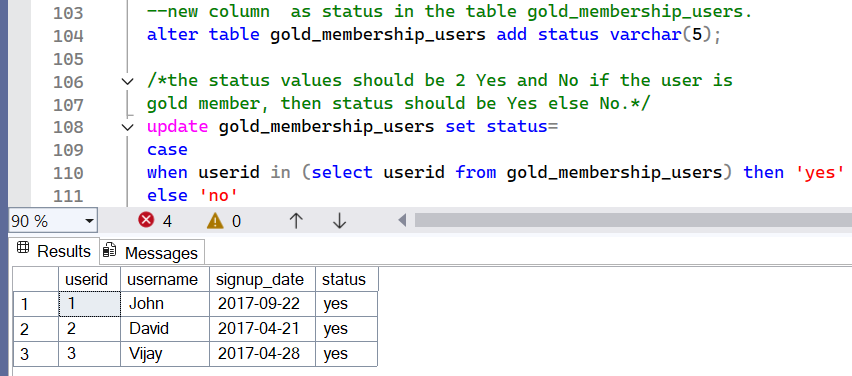


1. Renamed the table gold\_member\_users to gold\_membership\_users.

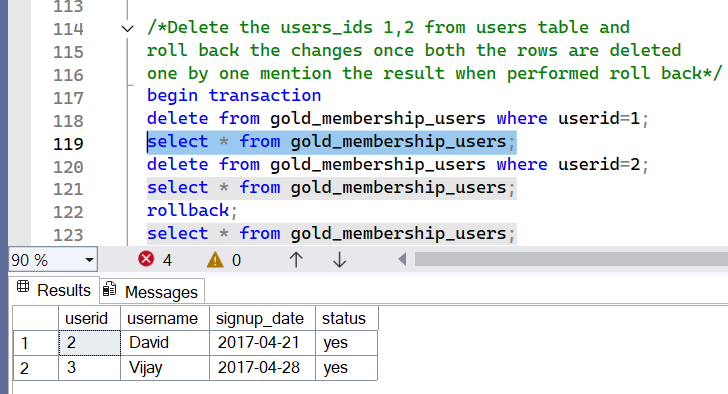
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1. Added a new column Status to the gold\_membership\_users table with values Yes or No based on gold membership.



1. Deleted users with user\_ids 1 and 2 from the users table and successfully rolled back the changes after deletion.



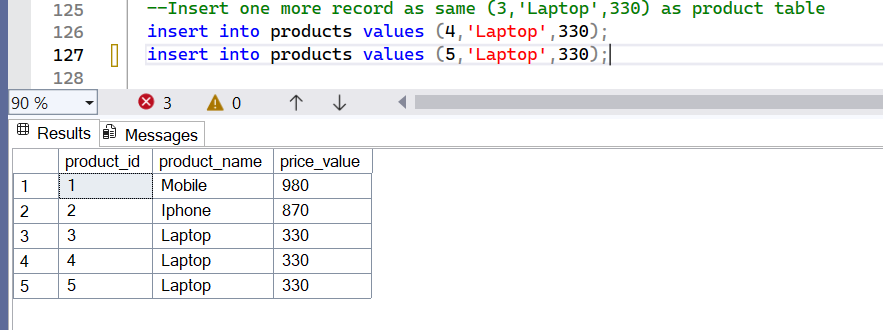
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1. Inserted a duplicate record (3, 'Laptop', 330) into the product table.



1. Wrote a query to find duplicate records in the product table.

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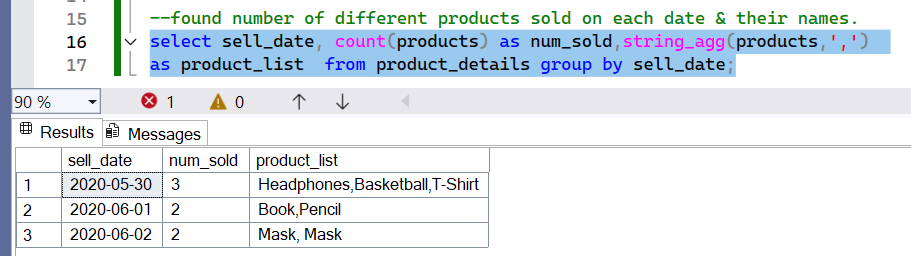
**Assignment- 2:-**

1. Created a product\_details table and inserting values into the table.

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1. Found number of different products sold on each date & their names



**Assignment- 3:-**

1. Created a table dept\_tbl and inserting values into the table.

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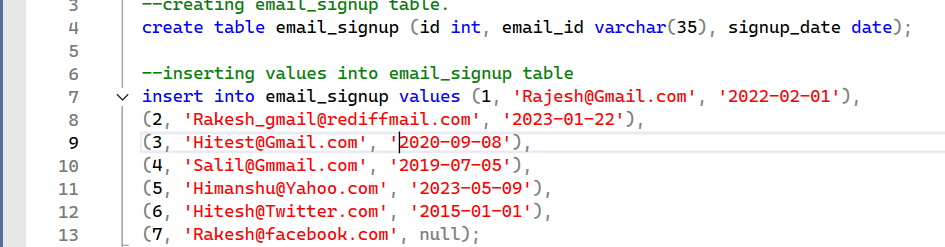
1. Found total salary of each department.

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**Assignment- 4:-**

1. Created a email\_signup table and inserted values into the table.



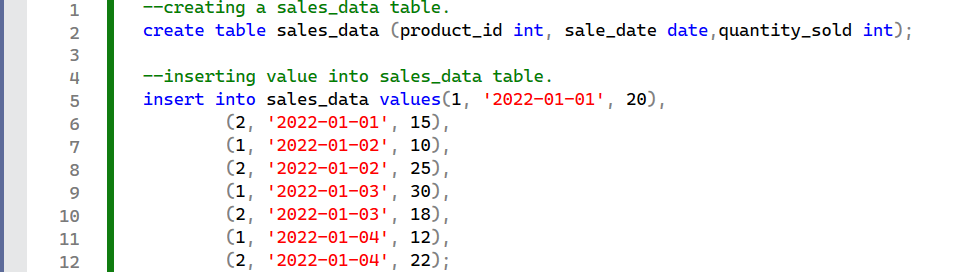
1. Found gmail accounts with latest & first signup dates & difference and inserted a value in place of null.

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**Assignment- 5:-**

1. Created a sales\_data table and inserted a values in it.



1. Solved window function queries.

* Assigned Rank by Partition for Each product\_id.

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* Retrieved quantity\_sold from Previous Row.

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* Retrieved First and Last Values for Each product\_id.

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