ONLINE RETAIL STORE

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SQL Query:
In this document we have incorporated the detailed explanation for the 10 queries. Below we have listed all the data and table structure used.

SQL SYNTAX USED

We have designed the foundation of every query on MySQL using the command:

```
SELECT col1, col2, col3, ….coln or *
FROM table_name
[WHERE condition]
[GROUP BYcolumn_list]
[ORDER BY column_list];
```

QUERIES

1.) This Query helps to fetch all the ratings provided by a "PRIME" customer to the delivery partner they had been allotted once.

Tables Used: Customer, Membership, Partner_feedback

Columns Generated: Customer_ID, Cust_name, Membership, Partner_ID, Partner_review, Partner_rating

2.) The Query helps to fetch the details of a customer allotted to a particular partner for an order.

Tables Used: Customer, Order, Delivery_Partner

Columns Generated: Order_ID, Partner_ID, Customer_ID, Cust_name, Address

3.) The Query helps us in listing out the customers whose name begins with "J" and have used "Credit Card" to make payment for their Order.

Tables Used: Customer, Cart, Payment_Portal

Columns Generated: Customer_ID, Cust_name, Cart_ID, Payment_type

4.) The Query helps in fetching the Deal Id and the corresponding value of discount that is available to customers per their cart.

Tables Used: Customer, Cart, Offer

Columns Generated: Customer_ID, Cust_name, Cart_ID, Deal_ID, Total_cost, Discount

5.) The Query helps in monitoring the number of orders placed by a particular customer.

Tables Used: Customer, Cart, Order

Columns Generated: Customer_ID, Cust_name, No_of_Orders

6.) The Query helps in monitoring the products that are at present available to the customers under a price range of 1000 to 3000 INR (displayed High to Low).

Tables Used: Category, Product

Columns Generated: Category_ID, Category_name, Prod_ID, Prod_name, Brand, Price

7.) This Query helps in aligning the products in a table that might belong to different Categories but come from the same Brand.

Tables Used: Product, Supplier, Category

Columns Generated: Prod_ID, Supplier_ID, Brand, Prod_name, Category_name

8.) This Query helps to fetch the number of different brand varieties provided by a supplier under each category.

Tables Used: Product, Supplier, Category

Columns Generated: Supplier_ID, Supplier_Name, Category_Name, No_of_Brands

9.) This query helps to fetch the number of products of a specific brand sold by each Supplier under different categories.

Tables Used: Product, Supplier, Category

Columns Generated: Supplier_ID, Category_Name , Brand , No_of_Products

10.) The Query helps to fetch the number of products provided by each supplier under various Categories.

Tables Used: Product, Supplier, Category

Columns Generated: Supplier_ID, Supplier_Name, Category_Name, No_of_Products

11.) The Query helps to fetch the details of the customers that use hotmail and have made their payment using "NetBanking' to place an order.

Tables Used: Cart, Customer, Payment_Portal

Columns Generated: Customer_ID, Cart_ID, Cust_name, Cust_email, Total_cost, Payment_type, Payment_date

12.) This is a simple Query concerned with fetching the number of users under the membership plans available.

Tables Used: Membership

Columns Generated: Membership, No_of_Customers

13.) The Query helps to remove the Delivery Partner whose average rating is less than the 2, furthermore it fetches the updated Delivery_Partner table.

Tables Used: Product, Supplier, Category

Columns Generated: Supplier_ID, Supplier_Name, Category_Name, No_of_Products

14.) The Query helps in Updating the name of Admin with ID number 100 from "Tyler Sanford" to 'Taylor Lautner', furthermore it fetches the updated Admin table .

Tables Used: Admin

Columns Generated: Admin_ID, Admin_name, Admin_pass, Admin_mobile, Admin_email

RELATIONAL SCHEMA