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SQL Training

Lesson-End Project Problem Statement



**Retail Mart Management**

**Problem scenario:**

A data analyst of a retail shop, Happy Mart, wants to store the product details, customer details, and order details to provide daily insights about customer behavior and product stock details.

**Objective:**

The objective is to design a database to easily evaluate and identify the performance of the shop to increase the daily sales.

**Note:** Download the **customer\_datasets.csv**, **product\_datasets.csv**,and **sales\_datasets.csv** files from **Course Resources** to perform the required tasks

**Task to be performed:**

1. Write a query to create a database named **SQL basics**
2. Write a query to select **SQL basics**
3. Write a query to create a **product** table with the fields product code, product name, price, stock, and category, a **customer** table with the fields customer ID, customer name, customer location, and customer phone number, and a **sales** table with the fields date, order number, product code, product name, quantity, and price
4. Write a query to insert values into the **customer**, **product**, and **sales** tables
5. Write a query to add new columns, such as serial number and categories, to the **sales** table
6. Write a query to change the stock field type to varchar in the **product** table
7. Write a query to change the table name from **customer** to **customer details**
8. Write a query to drop the sl. no. and categories columns from the **sales** table
9. Write a query to display the order ID, customer ID, order date, price, and quantity columns of the **sales** table
10. Write a query to display the details where the category is stationary from the **product** table
11. Write a query to display the unique category from the **product** table
12. Write a query to display the details of the sales from the **sales** table where quantity is greater than 2 and the price is less than 500
13. Write a query to display every customer whose name ends with an ‘**a’**
14. Write a query to display the product details in descending order of price
15. Write a query to display the product code and category from categories that have two or more products
16. Write a query to combine the **sales** and **product** tables based on the order number and customer's name including duplicated rows