$SQL_Myntra_Assignment$

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1 Introduction

This report presents the results of fifteen SQL queries executed on a simulated Myntra E-Commerce database. The database includes tables for products, customers, orders, and order details. Each query demonstrates SQL clauses such as WHERE, LIKE, and aggregate functions. Screenshots of the outputs are included for documentation.

2 Database Setup

The following SQL statements were used to create the tables and insert sample data into the database.

```
-- Create Product table
CREATE TABLE Product (
 product_id INT PRIMARY KEY,
 name VARCHAR (50),
 brand VARCHAR (50),
  category VARCHAR (50),
 price DECIMAL(10,2),
 stock INT
);
-- Insert sample products
INSERT INTO Product (product_id, name, brand, category, price, stock)
VALUES
(1, 'T-shirt', 'Roadster', 'Topwear', 1299.00, 50),
(2, 'Jeans', 'Levis', 'Bottomwear', 2999.00, 30),
(3, 'Sneakers', 'Nike', 'Footwear', 1899.00, 20);
-- Create Customer table
CREATE TABLE Customer (
  customer_id INT PRIMARY KEY,
 name VARCHAR (50),
 city VARCHAR (50),
  gender VARCHAR (10)
);
-- Insert sample customers
INSERT INTO Customer (customer_id, name, city, gender)
(1, 'Nayeon', 'Mumbai', 'Female'),
(2, 'Jihyo', 'Delhi', 'Female'),
(3, 'Sana', 'Banglore', 'Female'),
(4, 'Oliver', 'Mumbai', 'Male'),
```

```
(5, 'Sana', 'Banglore', 'Female'),
(6, 'Mina', 'Surat', 'Female'),
(7, 'Elio', 'Delhi', 'Male'),
(8, 'Peter', 'Ahmedabad', 'Male');
-- Create Orders table
CREATE TABLE Orders (
  order_id INT PRIMARY KEY,
  customer_id INT,
 order_date DATE,
 total_amount DECIMAL(10,2),
 FOREIGN KEY (customer_id) REFERENCES Customer(customer_id)
);
-- Insert sample orders
INSERT INTO Orders (order_id, customer_id, order_date, total_amount)
VALUES
(1, 1, '2025-09-01', 1299.00),
(2, 2, '2025-09-02', 2999.00),
(3, 3, '2025-09-03', 1899.00);
-- Create OrderDetails table
CREATE TABLE OrderDetails (
 detail_id INT AUTO_INCREMENT PRIMARY KEY,
 order_id INT,
 product_id INT,
 quantity INT,
 FOREIGN KEY (order_id) REFERENCES Orders(order_id),
 FOREIGN KEY (product_id) REFERENCES Product(product_id)
);
-- Insert sample order details
INSERT INTO OrderDetails (order_id, product_id, quantity)
VALUES
(1, 1, 2),
(2, 2, 3),
(3, 3, 3);
```

3 Query Results

Each task below includes a brief description and a screenshot of the query output.

Task 1:Output of Task 1: Products priced above Rs.1000



Task 2: Customers in cities starting with 'M'

```
mysql> -- Customers in cities starting with 'M'
mysql> SELECT * FROM Product WHERE city LIKE 'M%';
ERROR 1654 (42S22): Unknown column 'city' in 'where clause'
mysql> -- Customers in cities starting with 'M'
mysql> SELECT * FROM CUSTOMER
-> WHERE CITY LIKE 'M%';

| customer_id | name | city | gender |
| 1 | Nayeon | Mumbai | Female |
| 4 | Oliver | Mumbai | Male |
| 2 rows in set (6.00 sec)
```

Retrieves customers whose city names begin with the letter 'M'. 2 rows in set

Task 3: Products with brand containing 'Roadster'

```
The following and those centralings "headster"

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Displays products where the brand name includes 'Roadster'.

Task 4: Female customers from Mumbai or Delhi

Filters female customers located in either Mumbai or Delhi.

Task 5: Total products in stock

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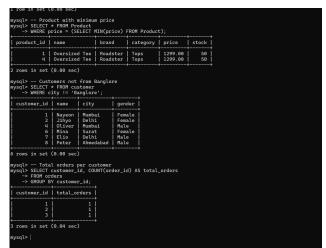
Calculates the total number of products available across all inventory.

Task 6: Average order amount

```
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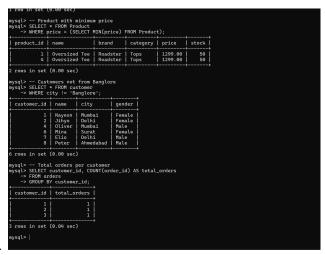
Returns the average value of all orders placed.

Task 7: Product with minimum price



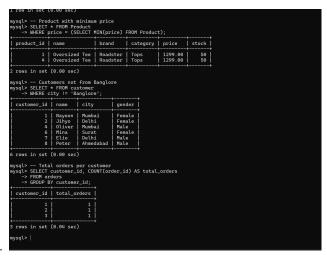
Identifies the product with the lowest price in the catalog.

Task 8: Customers not from Bangalore



Lists all customers whose city is not Bangalore.

Task 9: Total orders placed by each customer



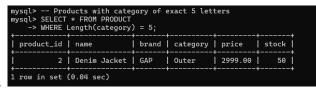
Shows how many orders each customer has placed.

Task 10: Customers whose name starts with 'A' and ends with 'a'

mysql> Customers w mysql> SELECT * FROM -> WHERE NAME LIP	Customer	tarts with	'A' an	d ends	with	'a'	
customer_id name	city	++ gender					
9 Anany	a Indore	Female					
1 row in set (0.00 se	c)						

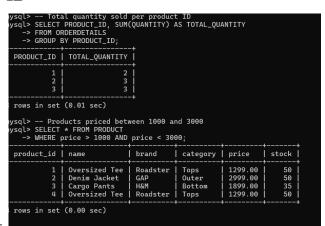
Filters customers whose names begin with 'A' and end with 'a'.

Task 11: Products where category contains exactly 5 letters



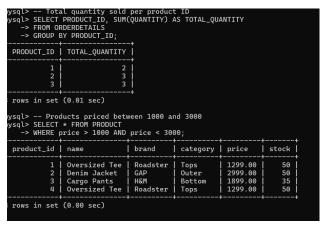
Returns products whose category name is exactly five characters long.

Task 12: Total quantity sold for each product ID



Aggregates the total quantity sold per product across all orders.

Task 13: Products priced between Rs.1000 and Rs.3000

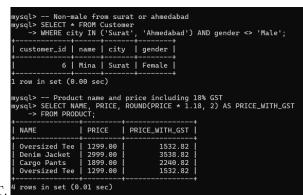


Displays products with prices strictly between Rs.1000 and Rs.3000.

Task 14: Customers from Surat or Ahmedabad but not male

Filters customers from Surat or Ahmedabad who are not male.

Task 15: Product name and price including 18% GST



Calculates and displays the price of each product after applying 18% GST.