

Lab Assignment 9

Create the following tables:

Seller (Seller Id, Seller Name, Rating)

Category(Category Id, Category)

Product(Product Id, Product, amount, Quantity remaining, Category Id, seller id, Rating)

Customer(Customer Id, name, password)

Orders (Order id, customer id, amount,date, time)

Order_Products (Order id, Product id, quantity, seller id, Original amount, discount, product Rating)

Master tables: seller, category, product and customer

Transaction tables: Order, Order_Products

Seller

Seller Id	Seller Name	Rating (Out of 5)
1S	Abhay	3.3
2S	Priya	1
3S	Kishan	4.8
4S	Vicky	4.3
5S	Sneha	3.6
6S	Pushpa	2.8

Category

(Quantity Remaining Field should not be '0')

Category Id	Category	Quantity Remaining
1C	Books	
2C	Footwear	
3C	Home Decor	

4C	Accessories	
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Product

Product Id	Product	Amount	Quantity Remaining	Category Id	Seller Id	Rating (default 0)
1P	The Programming language of ORACLE	350	4	1C	1S	
2P	Nike White shoes	7000	2	2C	3S	
3P	White Lamp	800	3	3C	5S	
4P	Antique Silver Earrings	400	7	4C	2S	
5P	Antique Silver Bracelet	700	5	4C	6S	
6P	Catwalk leather flats	1599	3	2C	4S	
7P	Introduction to Java	650	8	1C	5S	
8P	Portico King size bedsheet	1999	1	3C	1S	
9P	Book rack	999	7	3C	4S	
10P	Artificial Intelligence, 3rd Edition	570	9	1C	2S	
11P	Introduction to python	630	10	1C	5S	

Prepare other tables with minimum 10 rows as per the requirement of following queries:

1. Update product rating column in product table as per the entries in order_product table (calculate average).
2. Update Quantity Remaining column in Category table as per the entries in product table.
3. Update the seller ratings as per the new entries in Order_Products table.
4. Update the amount of least sold product.
5. Display the highest sold product details.
6. Display the product details with the highest rating.
7. Display products in the descending order of product amount sold by the seller who is having the highest rating.
8. Display the seller details having ratings ≥ 4 in descending order.
9. Display ratings in the ascending order of products sold by the seller.
10. Display the details of Category which is having highest quantity remained.
11. Display the details of the product having amount ≥ 1000 .
12. Display the customer details who has not repeated the same product purchase in the last four months.
13. Display the product details which is having category as books in ascending order.
14. Display the seller details having ratings ≥ 3 .
15. Display the date and time of the orders which is purchase in 50% discount.
16. Display the customer id and name who purchase the products having more than 50 quantity.
17. Display the product rating for highest purchase product in month may 2020.
18. Display the product id on the products having 30% discount in between 10 am to 5 pm.