Create the following tables and populate the tables

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SalesPerson**   |  |  |  |  | | --- | --- | --- | --- | | **SNUM** | **SNAME** | **CITY** | **COMM** | | 1001 | Peel | London | .12 | | 1002 | Serres | San Jose | .13 | | 1004 | Motika | London | .11 | | 1007 | Rifkin | Barcelona | .15 | | 1003 | AxelRod | New York | .10 | | 1005 | Fran | London | .26 | | **Customers**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **CNUM** | **CNAME** | **CITY** | **RATING** | **SNUM** | | 2001 | Hoffman | London | 100 | 1001 | | 2002 | Giovanni | Rome | 200 | 1003 | | 2003 | Liu | San Jose | 200 | 1002 | | 2004 | Grass | Berlin | 300 | 1002 | | 2006 | Clemens | London | 100 | 1001 | | 2008 | Cisneros | San Jose | 300 | 1007 | | 2007 | Pereira | Rome | 100 | 1004 | | |
|  |  |  |
| **Orders**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **ONUM** | **AMT** | **ODATE** | **CNUM** | **SNUM** | | 3001 | 18.69 | 10/03/96 | 2008 | 1007 | | 3003 | 767.19 | 10/03/96 | 2001 | 1001 | | 3002 | 1900.10 | 10/03/96 | 2007 | 1004 | | 3005 | 5160.45 | 10/03/96 | 2003 | 1002 | | 3006 | 1098.16 | 10/03/96 | 2008 | 1007 | | 3009 | 1713.23 | 10/04/96 | 2002 | 1003 | | 3007 | 75.75 | 10/04/96 | 2002 | 1003 | | 3008 | 4723 .00 | 10/05/96 | 2006 | 1001 | | 3010 | 1309.95 | 10/06/96 | 2004 | 1002 | | 3011 | 9891.88 | 10/06/96 | 2006 | 1001 | | |  |

**Write the Queries based on the above tables**

1. List all the columns of the Salespeople table.

2. List all customers with a rating of 100.

3. Find all records in the Customer table with NULL values in the city column.

4. Find the largest order taken by each salesperson on each date.

5. Arrange the Orders table by descending customer number.

6. Find which salespeople currently have orders in the Orders table.

7. List names of all customers matched with the salespeople serving them.

8. Find the names and numbers of all salespeople who had more than one customer.

9. Count the orders of each of the salespeople and output the results in descending order.

10. List the Customer table if and only if one or more of the customers in the Customer table are located in San Jose.

11. Match salespeople to customers according to what city they lived in.

12. Find the largest order taken by each salesperson.

13. Find customers in San Jose who have a rating above 200.

14. List the names and commissions of all salespeople in London.

15. List all the orders of salesperson Motika from the Orders table.

16. Find all customers with orders on October 3.

17. Give the sums of the amounts from the Orders table, grouped by date, eliminating all those dates where the SUM was not at least 2000.00 above the MAX amount.

18. Select all orders that had amounts that were greater than at least one of the orders from October6.

19. Write a query that uses the EXISTS operator to extract all salespeople who have customers with a rating of 300.

20. Find all pairs of customers having the same rating.

21. Find all customers whose CNUM is 1000 above the SNUM of Serres.

22. Give the salespeople’s commissions as percentages instead of decimal numbers.

23. Find the largest order taken by each salesperson on each date, eliminating those MAX orders which are less than $3000.00 in value.

24. List the largest orders for October 3, for each salesperson.

25. Find all customers located in cities where Serres (SNUM 1002) has customers.

26. Select all customers with a rating above 200.00.

27. Count the number of salespeople currently listing orders in the Orders table.

28. Write a query that produces all customers serviced by salespeople with a commission above 12%. Output the customer’s name and the salesperson’s rate of commission.

29. Find salespeople who have multiple customers.

30. Find salespeople with customers located in their city.

31. Find all salespeople whose name starts with ‘P’ and the fourth character is ‘l’.