Final Lab

DBE (3rd sem)2020 batch

1. Create tables using constraints. [1X20=20]

salesman

salesman_id(PK)	name	city	commission
5001	James Hoog	New York	0.15
5002	Nail Knite	Paris	0.13
5005	Pit Alex	London	0.11
5006	Mc Lyon	Paris	0.14
5003	Lauson	Hen	0.12
5007	Paul Adam	Rome	0.13

orders

ord_no(pk)	purch_amt	ord_date	customer_id(fk)	salesman_id(fk)
70001	150.5	2012-10-05	3005	5002
70002	270.65	2012-09-10	3001	5005
70003	65.26	2012-10-05	3002	5001
70004	110.5	2012-08-17	3009	5003
70005	948.5	2012-09-10	3005	5006
70006	2400.6	2012-07-27	3007	5007
70007	5760	2012-09-10	3002	5001

Customer

customer_id(pk)	cust_name	city	grade	alesman_id(fk)
3002	Nick Rimando	New York	100	5001
3005	Graham Zusi	California	200	5002
3001	Brad Guzan	London		5005
3004	Fabian Johns	Paris	300	5006
3007	Brad Davis	New York	200	5001
3008	Julian Green	London	300	5002
3003	Jozy Altidor	Moscow	200	5007

2. Write a SQL statement to display specific columns like name and commission for all the salesmen.
3. Write a query to display the columns in a specific order like order date, salesman id, order number and purchase amount from for all the orders.
4. Write a query which will retrieve the value of salesmanid of all salesmen, getting orders from the customers in orders table without any repeats.
5. Write a SQL statement to display names and city of salesman, who belongs to the city of Paris.

Aggregate function (Answer any 10 question) [10X3=30]

6. Write a SQL statement to find the total purchase amount of all orders.
7. Write a SQL statement to find the average purchase amount of all orders.
8. Write a SQL statement to find the number of salesmen currently listing for all of their customers.
9. Write a SQL statement know how many customer have listed their names.
10. Write a SQL statement find the number of customers who gets at least a gradation for his/her performance.
11. Write a SQL statement to get the maximum purchase amount of all the orders.
12. Write a SQL statement to get the minimum purchase amount of all the orders.
13. Write a SQL statement which selects the highest grade for each of the cities of the customers.
14. Write a SQL statement to find the highest purchase amount ordered by the each customer with their ID and highest purchase amount.
15. Write a SQL statement to find the highest purchase amount ordered by the each customer on a particular date with their ID, order date and highest purchase amount.
16. Write a SQL statement to find the highest purchase amount on a date '2012-08-17' for each salesman with their ID.
17. Write a SQL statement to find the highest purchase amount with their ID and order date, for only those customers who have highest purchase amount in a day is more than 2000.

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18. Write a SQL statement to find the highest purchase amount with their ID and order date, for those customers who have a higher purchase amount in a day is within the range 2000 and 6000.

Join (Answer any 9 question) [9X3=27]

19. Write a SQL statement to prepare a list with salesman name, customer name and their cities for the salesmen and customer who belongs to the same city.
20. Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000.
21. Write a SQL statement to know which salesman are working for which customer.
22. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who gets a commission from the company is more than 12%.
23. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who does not live in the same city where their customer lives, and gets a commission is above 12% .
24. Write a SQL statement to find the details of a order i.e. order number, order date, amount of order, which customer gives the order and which salesman works for that customer and how much commission he gets for an order.
25. Write a SQL statement to make a join on the tables salesman, customer and orders in such a form that the same column of each table will appear once and only the relational rows will come.
26. Write a SQL statement to make a list in ascending order for the customer who works either through a salesman or by own.
27. Write a SQL statement to make a list in ascending order for the customer who holds a grade less than 300 and works either through a salesman or by own.
28. Write a SQL statement to make a report with customer name, city, order number, order date, and order amount in ascending order according to the order date to find that either any of the existing customers have placed no order or placed one or more orders.
29. Write a SQL statement to make a report with customer name, city, order number, order date, order amount salesman name and commission to find that either any of the existing customers have placed no order or placed one or more orders by their salesman or by own.
30. Write a SQL statement to make a list in ascending order for the salesmen who works either for one or more customer or not yet join under any of the customers.

Subquery (Answer any 8 question) [8X3=24]

31. Write a query to display all the orders from the orders table issued by the salesman 'Paul Adam'.
32. Write a query to display all the orders for the salesman who belongs to the city New York.
33. Write a query to find all the orders issued against the salesman who works for customer whose id is 3007.
34. Write a query to display all the orders which values are greater than the average order value for 10th October 2012.
35. Write a query to find all orders attributed to a salesman in New york.
36. Write a query to display the commission of all the salesmen servicing customers in Paris.
37. Write a query to display all the customers whose id is 2001 bellow the salesman ID of Mc Lyon.
38. Write a query to counts the customers with grades above New York's average.
39. Write a query to display all customers with orders on October 5, 2012.
40. Write a query to find the name and numbers of all salesmen who had more than one customer.

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41. Write a query to find all orders with order amounts which are above-average amounts for their customers.
42. Write a queries to find all orders with order amounts which are on or above-average amounts for their customers.