QUESTION 1)

Write a SQL statement to prepare a list with salesman name, customer name and their cities for the salesmen and customer who belongs to same city.

ANSWER 1)

Select salesman.name AS “Salesman”, customer.cust\_name, customer.city FROM salesman, customer   
where salesman.city=customer.city;

QUESTION 2)

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.

ANSWER 2 )

SELECT a.ord\_no,a.purch\_amt,b.cust\_name,b.city FROM orders a,customer b WHERE a.customer\_id=b.customer\_id AND a.purch\_amt BETWEEN 500 AND 2000;

QUESTION 3)

Write a SQL statement to know which salesman are working for which customer.

ANSWER 3)

SELECT a.cust\_name AS "Customer Name", a.city, b.name AS "Salesman", b.commission FROM customer a INNER JOIN salesman b ON a.salesman\_id=b.salesman\_id;

QUESTION 4)

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%.

ANSWER 4)

SELECT a.cust\_name AS "Customer Name", a.city, b.name AS "Salesman", b.commission FROM customer a INNER JOIN salesman b ON a.salesman\_id=b.salesman\_id WHERE b.commission>.12;

QUESTION 5)

Write a SQL statement to make a list in ascending order for the customer who works either through a salesman or by own.

ANSWER 5)

SELECT a.cust\_name,a.city,a.grade, b.name AS "Salesman",b.city FROM customer a LEFT JOIN salesman b ON a.salesman\_id=b.salesman\_id order by a.customer\_id;

QUESTION 6)

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.

ANSWER 6)

SELECT a.cust\_name,a.city,a.grade, b.name AS "Salesman", b.city FROM customer a LEFT OUTER JOIN salesman b ON a.salesman\_id=b.salesman\_id WHERE a.grade<300 ORDER BY a.customer\_id;

QUESTION 7)

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 customer.

ANSWER 7)

SELECT a.cust\_name,a.city,a.grade, b.name AS "Salesman", b.city FROM customer a RIGHT OUTER JOIN salesman b ON b.salesman\_id=a.salesman\_id order by b.salesman\_id;

QUESTION 8)

Write a SQL statement to make a report with customer name, city, order no. order date, purchase amount for those customers from the existing list who placed one or more orders or which order(s) have been placed by the customer who are not in the list.

ANSWER 8)

SELECT a.cust\_name,a.city, b.ord\_no,b.ord\_date,b.purch\_amt AS "Order Amount" FROM customer a FULL OUTER JOIN orders b ON a.customer\_id=b.customer\_id;

Question 9)

Write a SQL statement to make a cartesian product between salesman and customer i.e. each salesman will appear for all customer and vice versa for those customer who belongs to a city.

ANSWER 9)

SELECT \* FROM salesman a CROSS JOIN customer b WHERE a.city IS NOT NULL;

QUESTION 10)

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.

ANSWER 10)

SELECT a.ord\_no,a.ord\_date,a.purch\_amt,b.cust\_name AS "Customer Name", b.grade, c.name AS "Salesman", c.commission FROM orders a INNER JOIN customer b ON a.customer\_id=b.customer\_id INNER JOIN salesman c ON a.salesman\_id=c.salesman\_id;