SQL QUERIES USED:

1. INSERT INTO ORDERS VALUES (O,CUS,COM,T,SN,SA,RA,RN,P,D,ED); insert an order

2. select * from ORDERS WHERE ORDERID = X; select all attributes from the order whose orderID is x

3. UPDATE ExistingOrders SET currentLocation = X WHERE orderID = N; change the location of the existing order whose orderID is N to X

4. UPDATE Orders SET SENDERNAME = X WHERE ORDERID = N; change the sender name of the existing order whose orderID is N to X

5. UPDATE Orders SET SENDERADDRESS = X WHERE ORDERID = N; change the sender address of the order whose orderID is N to X

6. UPDATE Orders SET RECEIVERNAME = X WHERE ORDERID = N; change the receiver name of the order whose orderID is N to X

7. UPDATE Orders SET RECEIVERADDRESS = X WHERE ORDERID = N; change the receiver address of the order whose orderID is N to X

8. UPDATE Orders SET PRICE = X WHERE ORDERID = N; change the price of the order whose orderID is N to X

9. Select t.companyid, t.avgprice
   From (select o.companyid, avg(o.price) as avgprice
   From orders o where o.customerID = N
   Group by o.companyid) t
   Where t.avgprice = (select max(t2.avgprice)
   From (select o2.companyid, avg(o2.price) as avgprice
   From orders o2
   Where o2.customerID = N group by o2.companyid) t2);

For a certain customer, select the company that he spent most averge amount of money on. Show the company id and averge price.

10. select X, SUM(price) as priceSum from orders group by X; select group orders by X, and find the sum of price for each group.

11. select sum(PRICE) as max_price from ORDERS where CUSTOMERID = N; find the total amount of money the customer with customerID N spent.

12. SELECT * FROM orders WHERE COMPANYID = N; show all attributes of company with id N

13. DELETE FROM orders WHERE orderID = N; delete order that has orderID N

14. Select p.packageNo, p.description, p.weight From packageContained p inner join orders o on p.orderid = o.orderid where o.orderid = N; Find the package given an order id;

15. Select * from orders; show all orders

16. select * from ORDERS WHERE CUSTOMERID = N; show all orders that the customer with customer id N has.

17. select * from ORDERS WHERE COMPANYID = N; show all orders that the company with company id N has

18. select * from ORDERS WHERE ORDERID = O AND CUSTOMERID = C; show all orders that

19. select * from deliveryCompany c where not exists
    (select * from customer cu where not exists
    (select * from orders r where r.customerid = cu.customerID and r.companyid = c.companyid)); select the company that serves every customer

20. select * from deliverycompanyaddress c where not exists
(select * from customer cu where not exists
(select * from orders r where r.customerid = cu.customerid and r.companyid = c.companyid)); select the address of the company that serves every customer

21. SELECT ORDERID, PRICE FROM ORDERS O WHERE O.price = (SELECT MAX (O2.price) FROM ORDERS O2; select the order that has the max price