EXPERIMENT NO: 4

DMLCOMMANDS

Questions

1. Insert a single record in the following tables Customer\_db, item\_db, order\_db.

2.Insert multiple records in the following tables Customer\_db, item\_db, order\_db

3.update the delivery date in the field order\_db as delivery\_date= date of order +10

4.Display the records in ascending order by delivery date in order\_db

5.Display the records in descending order by unit price in item\_db

6.Display the records in order\_db where order\_id >1 and <7

7. Delete the order from order\_db where expiry date < current date

8.Duplicate the table of item\_db as test\_db

9. Select customer name from customer\_db whose name starts with alphabet ‘A’.

10.Display order\_id and cust\_id from order\_db

11.Truncate the table item\_db

12. Display order\_id , customer\_id from order\_id whose month of delivery is current month.

13.Display orderid and customerid from order database

14.Display the orderid,customerid from orders where the month of delivery is the current month.

15. Find the average of order quantity with item code =256.

16.What is the item with the highest unit price?

17. What is the cheapest item?

18.How many orders were made for item with itemcode 250

19.How many items have unit price between 100 and 200

20.What is the average unit price?

21.Display the orderid and delivery date with heading order\_code and date of delivery.

22.Display the name of customers which contain occurances of a and j in the same name.

23.What is the length of shortest name?

24.Create table deliverdb with same structure as orderdb.

25.. Display the records of tables order\_db delivery\_db using union operator

26.Display the records having order id common for both tables orderdb and deliverydb using intersect operator

27.select orderid from deliver\_db where deliverydate>SYSDATE

ALTER SESSION SET NLS\_DATE\_FORMAT = 'YYYY-MM-DD';

Queries:

CREATE TABLE Customer\_db (cust\_id INT PRIMARY KEY, cust\_name VARCHAR(100), contact\_info VARCHAR(100));

CREATE TABLE Item\_db33 (item\_code INT PRIMARY KEY, item\_name VARCHAR(100),unit\_price DECIMAL(10, 2));

CREATE TABLE Order\_db33 (order\_id INT PRIMARY KEY,cust\_id INT,item\_code INT,order\_date DATE, delivery\_date DATE, expiry\_date DATE, order\_quantity INT, FOREIGN KEY (cust\_id) REFERENCES Customer\_db(cust\_id), FOREIGN KEY (item\_code) REFERENCES Item\_db33(item\_code));

INSERT INTO Customer\_db VALUES (4, 'David Wilson', 'david@example.com');

INSERT INTO Item\_db33 VALUES (258, 'Item D', 300.00);

INSERT INTO Order\_db33 VALUES (1, 4, 258, '2024-08-04', '2024-08-14', '2024-08-10', 1);

INSERT INTO Customer\_db VALUES (5, 'Eva Green', 'eva@example.com');

INSERT INTO Customer\_db VALUES (6, 'Frank White', 'frank@example.com');

INSERT INTO Item\_db33 VALUES (259, 'Item E', 120.00);

INSERT INTO Item\_db33 VALUES (260, 'Item F', 180.00);

INSERT INTO Order\_db33 VALUES (5, 5, 259, '2024-08-05', '2024-08-15', '2024-08-10', 3);

INSERT INTO Order\_db33 VALUES (6, 6, 260, '2024-08-06', '2024-08-16', '2024-08-10', 4);

UPDATE Order\_db33 SET delivery\_date = order\_date + 10;

SELECT \* FROM Order\_db33 ORDER BY delivery\_date ASC;

SELECT \* FROM Item\_db33 ORDER BY unit\_price DESC;

SELECT \* FROM Order\_db33 WHERE order\_id > 1 AND order\_id < 7;

DELETE FROM Order\_db33 WHERE expiry\_date < CURRENT\_DATE;

CREATE TABLE Test\_db33 AS SELECT \* FROM Item\_db33;

SELECT cust\_name FROM Customer\_db WHERE cust\_name LIKE 'A%';

SELECT order\_id, cust\_id FROM Order\_db33;

TRUNCATE TABLE Item\_db33;

SELECT order\_id, cust\_id FROM Order\_db33 WHERE EXTRACT(MONTH FROM delivery\_date) = 8;

SELECT order\_id, cust\_id FROM Order\_db33;

SELECT order\_id, cust\_id FROM Order\_db33 WHERE EXTRACT(MONTH FROM delivery\_date) = 8;

SELECT AVG(order\_quantity) FROM Order\_db33 WHERE item\_code = 258;

SELECT \* FROM Item\_db33 WHERE unit\_price = (SELECT MAX(unit\_price) FROM Item\_db33);

SELECT \* FROM Item\_db33 WHERE unit\_price = (SELECT MIN(unit\_price) FROM Item\_db33);

SELECT COUNT(\*) FROM Order\_db33 WHERE item\_code = 250;

SELECT COUNT(\*) FROM Item\_db33 WHERE unit\_price BETWEEN 100 AND 200;

SELECT AVG(unit\_price) FROM Item\_db33;

SELECT order\_id AS order\_code, delivery\_date AS date\_of\_delivery FROM Order\_db33;

SELECT cust\_name FROM Customer\_db WHERE cust\_name LIKE '%a%' AND cust\_name LIKE '%j%';

SELECT MIN(LENGTH(cust\_name)) FROM Customer\_db;

CREATE TABLE Delivery\_db33 AS SELECT \* FROM Order\_db33 WHERE 1=0;

SELECT \* FROM Order\_db33 UNION SELECT \* FROM Delivery\_db33;

SELECT order\_id FROM Order\_db33 INTERSECT SELECT order\_id FROM Delivery\_db33;

SELECT order\_id FROM deliver\_db4 WHERE delivery\_date > sysdate;

CREATE TABLE deliver\_db4 AS SELECT \* FROM order\_db33 WHERE delivery\_date >= SYSDATE; -- Only orders with future delivery dates