RDBMS FUNDAMENTS

ASSIGNMENT 9:

Craft a query using an INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region, and a LEFT JOIN to display all customers including those without orders.

CREATE TABLE CUSTOMER

CREATE TABLE customer (

       cid NUMBER PRIMARY KEY,

       cname VARCHAR(20),

       region VARCHAR(20)

);

INSERT VALUES TO CUSTOMER TABLE

INSERT INTO customer VALUES(1, 'DEEPIKA NAIK', 'North');

INSERT INTO customer VALUES (2, 'KIRAN NAIK, 'North');

INSERT INTO customer VALUES (3, 'PRIYANKA', 'South');

INSERT INTO customer VALUES (4, 'AISHWARYA', 'East');

INSERT INTO customer VALUES (5, 'RAHUL', 'North');

DISPLAY CUSTOMER TABLE

SELECT * FROM customer;

CREATE TABBLE ORDER

CREATE TABLE orders (

       oid NUMBER PRIMARY KEY,

       odate DATE,

       cid NUMBER REFERENCES customers(cid)

);

INSERT VALUES TO ORDER TABLE

INSERT INTO order VALUES(101,'10-JAN-24',1),

INSERT INTO order VALUES(102,'20-MAR-24',2),

INSERT INTO order VALUES(103,'1-AUG-24',1),

INSERT INTO order VALUES(104,'25-JAN-24',3),

INSERT INTO order VALUES(105,'10-JUNE-24',4),

DISPLAY ORDER TABLE

SELECT * FROM order;

INNER JOIN TO GET CUSTOMERS IN A SPECIFIED REGION WITH THEIR ORDERS

SELECT c.cid,c.cname,c.region,o.oid,o.odate

FROM customer c

INNER JOIN order o ON c.cid=o.cid

WHERE c.region ='North';

LEFT JOIN TPO DISPLAY ALL CUSTOMER INCLUDING THOSE WITHOUT ORDERS

SELECT c.cid,c.name,c.region,o.oid,o.odate

FROM customer c

LEFT JOIN order o ON c.cid=o.cid;

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SQL Commands   ×   +

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ORACLE Database Express Edition

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```
insert into cxorder values(102,'20-MAR-24',2);

insert into cxorder values(103,'1-AUG-24',1);

insert into cxorder values(104,'25-JAN-24',3);

insert into cxorder values(105,'10-JUNE-24',4);

select * from cxorder;

select c.cid,c.cname,c.region,o.oid,o.odate from customer c inner join cxorder o on c.cid=o.cid where c.region='North';

select c.cid,c.cname,c.region,o.oid,o.odate from customer c left join cxorder o on c.cid=o.cid;
```

Results Explain Describe Saved SQL History

CID	CNAME	REGION	OID	ODATE
1	Deepika Naik	North	101	10-JAN-24
1	Deepika Naik	North	103	01-AUG-24
3	Priyanka	South	104	25-JAN-24
2	Kiran Naik	North	102	20-MAR-24
4	Aishwarya	East	105	10-JUN-24
5	Rahul	North	-	-

6 rows returned in 0.00 seconds   CSV Export

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