RDBMS FUNDAMENTS

ASSIGNMENT 12:

Begin a transaction, perform a series of INSERTs into 'orders', setting a SAVEPOINT after each, rollback to the second SAVEPOINT, and COMMIT the overall transaction.

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,

      ovalue DECIMAL(10,2),

cid NUMBER REFERENCES customers(cid)

);

INSERT VALUES TO ORDER TABLE

INSERT INTO order VALUES(101,'10-JAN-24',100.00,1),

INSERT INTO order VALUES(102,'20-MAR-24',150.00,2),

INSERT INTO order VALUES(103,'1-AUG-24',200.00,1),

INSERT INTO order VALUES(104,'25-JAN-24',50.00,3),

INSERT INTO order VALUES(105,'10-JUNE-24',300.00,4),

INSERT INTO order VALUES(106,'10-JUNE-24',300.00,5),

INSERT INTO order VALUES(107,'08-MAY-24',250.00,5),

DISPLAY ORDER TABLE

SELECT * FROM order;

INSERT RECORDS TO ORDER AND SET SAVEPOINT

INSERT INTO order VALUES(108,'08-MAY-24',100.00,1);

SAVEPOINT savepoint1;

INSERT INTO order VALUES(109,'08-MAY-24',10.00,2);

SAVEPOINT savepoint2;

ROLLBACK

ROLLBACK savepoint2;

COMMIT

COMMIT;

SAVEPOINT : Defines a point in a transaction to which you can later roll back.

ROLLBACK TO SAVEPOINT : Rolls back the transaction to a specified savepoint.

COMMIT : Commits the transaction, making all changes permanent