Assignment 5: 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.

Solution:-

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;

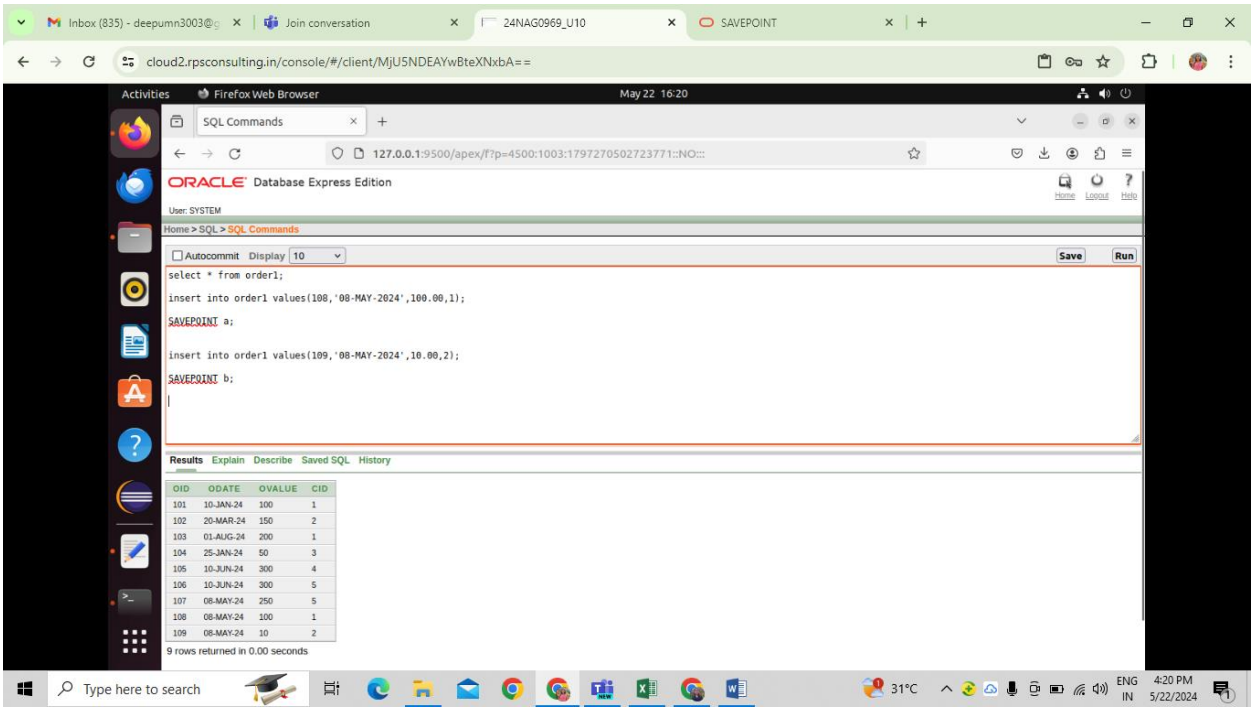
COMMIT

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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SAVEPOINT
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Activities
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ORACLE Database Express Edition
User: SYSTEM
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Save
Run
select * from order1;
insert into order1 values(108,'08-MAY-2024',100.00,1);
SAVEPOINT a;
insert into order1 values(109,'08-MAY-2024',10.00,2);
SAVEPOINT b;
Results Explain Describe Saved SQL History
OID ODATE OVALUE CID
101 10-JAN-24 100 1
102 20-MAR-24 150 2
103 01-AUG-24 200 1
104 25-JAN-24 50 3
105 10-JUN-24 300 4
106 10-JUN-24 300 5
107 08-MAY-24 250 5
108 08-MAY-24 100 1
109 08-MAY-24 10 2
9 rows returned in 0.00 seconds
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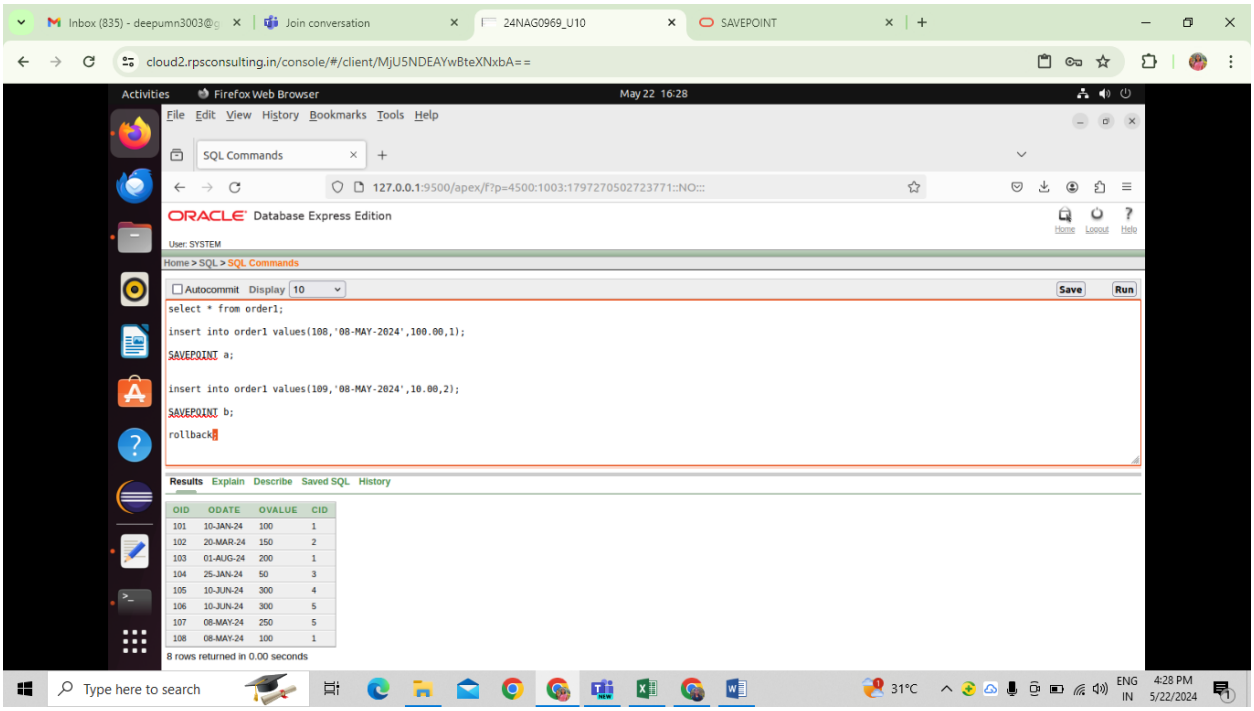
Inbox (835) - deepumn3003@g
Join conversation
24NAG0969_U10
SAVEPOINT
cloud2.rpsconsulting.in/console/#/client/MjU5NDEAYwBteXNxbA==
Activities
Firefox Web Browser
May 22 16:28
File Edit View History Bookmarks Tools Help
SQL Commands
127.0.0.1:9500/apex/f?p=4500:1003:17972705027237 71::NO:::
ORACLE Database Express Edition
User: SYSTEM
Home > SQL > SQL Commands
Autocommit Display 10
Save
Run
select * from order1;
insert into order1 values(108,'08-MAY-2024',100.00,1);
SAVEPOINT a;
insert into order1 values(109,'08-MAY-2024',10.00,2);
SAVEPOINT b;
rollback;
Results Explain Describe Saved SQL History
OID ODATE OVALUE CID
101 10-JAN-24 100 1
102 20-MAR-24 150 2
103 01-AUG-24 200 1
104 25-JAN-24 50 3
105 10-JUN-24 300 4
106 10-JUN-24 300 5
107 08-MAY-24 250 5
108 08-MAY-24 100 1
8 rows returned in 0.00 seconds
Type here to search
31°C
ENG
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5/22/2024