

TASK-6

15/01/25

TRIGGERS AND VIEWS

Aim:- To implement and execute Triggers and views in SQL

PROCEDURE:-

1. Create 2 tables customers and orders.

2. Insert the values.

3. Perform view operation.

4. Perform triggers operation

5. Display output

CREATE TABLE CUSTOMERS

CUST_ID INT PRIMARY KEY,
CUSTNAME VARCHAR(50),
BALANCE DECIMAL(10,2)
);

CREATE TABLE ORDERS

ORDER_ID INT PRIMARY KEY,
CUST_ID INT
AMOUNT DECIMAL(10,2)
FOREIGN KEY(CUST_ID)
REFERENCES CUSTOMERS(CUST_ID)
);

INSERT INTO CUSTOMERS VALUES

(101, 'RAHUL', 180000)

(102, 'PRIYA', 60000)

(103, 'AMAN', 30000),

(104, 'NEHA'), 100000),

INSERT INTO ORDERS VALUES.

(1, 101, 20000),

(2, 102, 10000),

(3, 104, 25000);

SELECT * FROM CUSTOMERS;

	CUSTID	CUSTNAME	BALANCE
1	101	RAHUL	20000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	100000.00

SELECT * FROM ORDERS;

	ORDERID	CUSTID	AMOUNT
1	1	101	20000.00
2	2	102	10000.00
3	3	104	25000.00

CREATE VIEW HIGH_VALUE_CUSTOMERS AS

SELECT CUSTID, CUSTNAME, BALANCE

FROM CUSTOMERS

WHERE BALANCE > 50000,

SELECT * FROM HIGH_VALUE_CUSTOMERS;

	CUSTID	CUSTNAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	104	NEHA	100000.00

CREATE TRIGGER ~~DELETION~~^{OF DLT-BALANCE} ON ORDERS,

AFTER INSERT AS BEGIN,

UPDATE C.

SET C-BALANCE = C-BALANCE - I.AMOUNT FROM
CUSTOMERS C INNER JOIN INSERTED
ON C.CUSTID = I.CUSTID;

END;

INSERT INTO ORDERS VALUES
(5101, 10000);
SELECT * FROM CUSTOMERS;
SELECT * FROM ORDERS;

CUSTID	CUSTNAME	BALANCE
1 101	RATHU	40000.00
2 102	PRIYA	60000.00
3 103	AMAN	30000.00
4 104	NEHA	100000.00

ORDERID	CUSTID	AMOUNT
1 1	101	20000.00
2 2	102	10000.00
3 3	104	25000.00
4 4	101	10000.00

EX.NO.	CH-CSE
PERFORMANCE (5)	6/5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	1
TOTAL (20)	11
SIGN WITH DATE	@ 10/10

RESULT:- Thus, implementation of the view and trigger operations are executed and completed successfully.