

5/9/25

Page 6

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

CUST NAME 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 NUMBERS values~~

(101, 'RAHUL', 80000),

(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.

S.NO	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	20000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	10000.00

SELECT * FROM ORDERS;

S.NO	ORDER ID	CUST ID	AMOUNT
1	1	101	20000.00
2	2	102	10000.00
3	3	104	25000.00

CREATE ~~VIEW~~ HIGH value CUSTOMERS AS

~~SELECT~~ CUST ID, CUST NAME, BALANCE
FROM CUSTOMERS.

WHERE BALANCE > 50000.

SELECT * FROM HIGH value CUSTOMERS

S.NO	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	104	NEHA	10000.00

CREATE TRIGGER DEDUCT - BALANCE
ON ORDERS

AFTER INSERT AS BEGIN

UPDATE (

SET C. BALANCE = C. BALANCE - I. AMO-
UNT FROM

ONE. CUST ID = I. CUST ID;

END;

INSERT INTO ORDERS VALUES.

(5, 101, 10000);

SELECT * FROM CUSTOMERS;

SELECT * FROM ORDERS;

S.NO	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	70000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	10000.00

S.NO	ORDER ID	CUST ID	AMOUNT
1	1	101	20000.00
2	2	102	10000.00
3	3	103	25000.00
4	4	104	10000.00

VEL TECH - CSE	
EX NO.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	1
TOTAL (20)	15
SIGN WITH DATE	10

15/9

Result:

Thus, Implementation of the view and trigger operations are executed and completed successfully.