

5/9/25

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

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, 'Neeta', 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	RATHU	20000.00
2	102	PRIYA	6000.00
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
ON C.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	ORDERID	CUSTID	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)	-
TOTAL (20)	15
SIGN WITH DATE	0

Q. 1519

~~Result:~~ Thus, implementation of the view and trigger operations are executed and completed successfully.