

15/9/25

TASK-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(  
    CUSTID INT PRIMARY KEY,  
    CUSTNAME VARCHAR(50),  
    BALANCE DECIMAL(10,2)  
);
```

```
CREATE TABLE ORDERS  
    ORDERID INT PRIMARY KEY,  
    CUSTID INT  
    AMOUNT DECIMAL(10,2)  
    FOREIGN KEY (CUSTID)  
    (REFERENCE) CUSTOMERS(CUSTID)  
);
```

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;

	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	20000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	100000.00

SELECT * FROM ORDERS;

	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;

	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	104	NEHA	100000.00


```

CREATE TRIGGER DE DUCT BALANCE DE CUSTOMERS
ON ORDERS,
AFTER INSERT AS BEGIN,
UPDATE C,
SET C - BALANCE = C - BALANCE - (1 * AMOUNT FROM
CUSTOMERS C INNER JOIN INSERTED
ON C - CUSTID = I - CUSTID);
END;

INSERT INTO ORDERS, VALUES
(5, 101, 10000);
SELECT * FROM CUSTOMERS;
SELECT * FROM ORDERS;

```

	CUSTID	CUSTNAME	BALANCE
1	101	RAHUL	40000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	10000.00

	ORDER ID	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
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	1
TOTAL (20)	11
SIGN WITH DATE	@ 16/9/2

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