| 6. | 15/09/25 | Triggers And Views | | 15 | |

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.


```sql
CREATE TABLE CUSTOMERS(
        CUST ID    INT PRIMARY KEY,
        CUST NAME     VARCHAR (50),
        BALANCE     DECIMAL (10, 2)
        );
CREATE TABLE ORDERS (
        ORDER ID    INT PRIMARY KEY,
        CUSTID    INT
        AMOUNT    DECIMAL (10, 2).
        FOREIGN    KEY (CUST ID)
        REFERENCES  CUSTOMERS (CUST ID)
        );
INSERT INTO CUSTOMERS 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);
```

```sql
SELECT *FROM CUSTOMERS;
```

	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	10000.00

```sql
SELECT *FROM ORDERS;
```

	ORDER ID	CUST ID	AMOUNT
1	1	101	20000.00
2	2	102	10000.00
3	3	104	25000.00

```sql
CREATE VIEW HIGH VALUES CUSTOMERS AS
SELECT CUST ID, CUST NAME, BALANCE
FROM CUSTOMERS
WHERE BALANCE > 50000;

SELECT *FROM HIGH VALUES CUSTOMERS;
```

	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	104	NEHA	10000.00

```sql
CREATE TRIGGER DEDUCT_BALANCE
ON ORDERS
AFTER INSERT AS BEGIN
UPDATE (
SET C.BALANCE = C.BALANCE _1.AMOUNT FROM
ON C.CUST ID = 1.CUST ID;
END;
INSERT INTO ORDERS VALUES
(5, 101, 10000);
SELECT *FROM CUSTOMERS;
SELECT *FROM ORDERS;
```
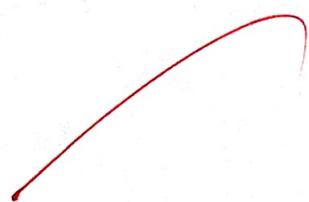
	CUST ID	CUST NAME	BALANCE
1	101	RAHUL	70000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	10000.00

	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

Result:- Thus, the triggers and views operations are implemented and are executed successfully.