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.
        CUST NAME VARCHAR(50),
        BALANCE DECIMAL(10,2)
    );

CREATE TABLE ORDERS (
        ORDER ID INT PRIMARY KEY,
        CUSTID INT
        AMOUNT DECIMAL(10,2),
        FOREIGN KEY (CUSTID)
        REFERENCES CUSTOMERS (CUSTID)
    );

INSERT INTO CUSTOMERS VALUES
    (101, RAHUL, 80000).
    (102, PRIYA, 60000),
    (103, AMAN, 30000),
    (104, NEHA, 100000);
```

```sql
INSERT INTO ORDERS VALUES
(1, 101, 20000),
(2, 102, 10000),
(3, 104, 25000);

SELECT * FROM CUSTOMERS;
```

	CUSTID	CUSTNAME	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;
```

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

```sql
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	80000.00
3	104	NEHA	100000.00

```sql
CREATE TRIGGER DEDUCT_BALANCE
ON ORDERS.
AFTER INSERT AS BEGIN
UPDATE C.
SETC.BALANCE = C.BALANCE - I.AMOUNT
FROM
```

```
CUSTOMERS INNER JOIN INSERTED I
on C.CUST ID = I.CUST ID;'
END;'
INSERT INTO ORDERS VALUES
(5,101,10000);'
SELECT * FROM CUSTOMERS;'
SELECT * FROM ORDERS;'
```

CUSTID	CUSTNAME	BALANCE
101	RAHUL	20000.00
102	PRIYA	60000.00
103	AMAN	30000.00
104	NEHA	150000.00

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

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