

Task - 6

15/9/25

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(  
    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)  
    REFERENCES CUSTOMERS (CUSTID)  
)
```

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);

SELECT * FROM CUSTOMERS;

	CUSTID	CUST NAME	BALANCE
1	101	RAHUL	80000.00
2	102	PRIYA	60000.00
3	103	AMAN	30000.00
4	104	NEHA	100000.00

SELECT * FROM ORDERS;

	ORDERID	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 CUSTID, CUST NAME, BALANCE

FROM CUSTOMERS

WHERE BALANCE > 50000;

SELECT * FROM HIGH_VALUE_CUSTOMERS;

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

```

CREATE TRIGGER DECNET-BALANCE
ON ORDERS
AFTER INSERT AS BEGIN
UPDATE C
SET C.BALANCE = C.BALANCE - I.AMOUNT FROM
ON C.CUSTID = I.CUSTID;
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	100000.00

ORDERID	CUST ID	AMOUNT
1	101	20000.00
2	102	10000.00
3	103	85600.00
4	104	10000.00

VEL TECH	
EX No.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	15
DATE WITH DATE	15/10/2017

Result:- Thus, Implementation of the view and Trigger operations are executed and completed successfully.