DT: 16/09/25   TASK - 6

TRIGGERS AND VIEWS

Aim: To automatically performe an action whenever an specific
event occurs an mobile phone -to create virtual table.

Create Table

Sql customer Table.

```sql
CREATE TABLE Customer (
    Cust_ID INT PRIMARY KEY,
    Cust_Name VARCHAR (50),
    Cust_Phone No VARCHAR (15),
    Cust_City VARCHAR (20),
    Cust_Amount paid DECIMAL (10,2)
);
```

Insert sample data;

Sql insert customers

```sql
INSERT INTO customer VALUES
    (1, 'John', '9876543210', 'Hyderabad', 15000),
    (2, 'Smith', '9123458780', 'Delhi', 12000),
```

Create views

Sql

```sql
CREATE VIEW customer Mobile view As
SELECT c.Cust_ID, c.cust_Name, c.cust_phone No,
    c.cust_city, m.mobile_Name, m.Mobile_price,
    c.cust_Amount paid.

FROM customer c

JION Mobile m

on c.cust_amount paid = m.Mobile price;
```

Query

Sql

SELECT * FROM customer Mobile view;

Output :

Cust ID	Cust-Name	cust-ph-no	Cust-city	Mobile price	Amount paid.
1	John	9876543210	Hyderabad	15,000	15,000
2	Smith	9123456780	Delhi	12,000	12,000

Create Triggers.

Sql

```
CREATE TRIGGER check-amount-before-insert
BEFORE INSERT ON Customer
FOR EACH ROW
BEGIN.
    DECLARE price Decimal (10,2);
    SELECT Mobile-price INTO price
WHERE Mobile-price = NEW cust-amount paid
LIMIT ;
IF price IS NULL THEN
    SIGNAL. MESSAGEE - TEXT = Invalid payment; no
        matching mobile found! ;

END IF ;

END;
```

TEST

INSERT INTO Customer values (3, 'Ajay', '9500000000', 'Mumbai', 8000);

ERROR

Invalid payment: no matching mobile found!

Sql > insert into mobile phone values
              (1, 'Realme', 50000);

Output :- 1 row deleted

sql> select * from mobile phone

Cust id	cust-Name	cust-phone	cust-city	mobile price	Amount-paid.
1.	John	9870543210	Hyderabad	30,000	30,000
2.	Smith	9123456700	Delhi	15,000	15,000

Result : Thus the implimentation of views on the database has been successfully Completed and verified.