(Triggers & views)

Aim: To automatically perform an action whenever a specific event occurs on mobile phone to create virtual table

Create table:

Sql Customer table

CREATE TABLE customer (
    CUST_ID INT PRIMARY KEY,
    CUST - phone no. VARCHAR (15),
    CUST - Name . VARCHAR (50),
    CUST -city VARCHAR (30),
    CUST -amount paid decimal (10,2)
);

Insert sample data:

Sql Insert customer

insert into Customer value y,

(1, John', '9876543210', 'Hyderabad', '15000),

(2, Smith', '9123456780', 'Delhi', 12000)',

Create views:-

Sql
CREATE VIEW customer mobile view As.
SELECT C. CUST —ID , C_CUST -name, C+CUST - phone no
C.CUSL =City , m. mobile—name, m. mobile - price
                                        C. CUST - Amount

paid
from Customer C
John mobile m.
ON C.CUST Amount paid = m. mobile -price;

sql,
SELECT * from customer mobile view;

output;

cust-ID	cust-name	cust-phno	cust-city	mobile price
1.	John	9876543210	Hyderabad	15000
2	Smith	9123456780	Delhi	12000

Create triggers.

sql
```
CREATE TRIGGER check-amount-before-insert
BEFORE INSERT ON customer

for each row

BEGIN,

    VECLARE price DECIMAL (10, 2);
    SELECT mobile-price INTO price
    WHERE mobile-price = NEW cust-amount paid,

LIMIT;
It price is null then
    SIGNAL sql state '45000'
    set message Text = Invalid payment =
                            matching mobile found';




    END IF;
    END;
Test
sql
INSERT INTO customer value L 3'Ajay', '900000000,
    "mumbai', 8000);

Error;
```

... payment, no matching mobile bond!

Sql > insert into mobile phones.

Valuex

(! 'Realme', 50,000);

output! 1 row inserted

Sql > select * from mobile phones;

Cust-ID	Cust-name	cust-phno	cust-city	mobiupks	Amount paid
1	John	9870543210	Hyderabad	30,000	30,000
2	Smith	9123456789	Delhi	15,000	15,000

VEL TECH	
EX NO.	6
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	6
VIVA VOCE (5)	
RECORD (5)	4
TOTAL (20)	14
SIGN WITH DATE	

Result:

Thux the implementation ot trigger and views on the database has been success-fully completed and verified.