

16/07/25

TRIGGERS AND VIEWS

Defn:- To automatically perform an action whenever a specific event occurs in a mobile phone to create virtual table.

Create table

Sql Customer Table

```
CREATE TABLE Customer C
  CUIT-ID INT PRIMARY KEY,
  CUIT-Name VARCHAR (50),
  CUIT-Phone NO VARCHAR (15),
  CUIT-city VARCHAR (30),
  CUIT-Amount paid DECIMAL (10,2)
;
```

Insert sample Data

Sql Insert Customer

INSERT INTO Customer VALUES

```
(1, 'Thon', '9876543210', 'Hyderabad', 15000),
(2, 'Smith', '9123456780', 'Delhi', 12000);
```

Create View

Sql

```
CREATE VIEW Customer Mobile View As
SELECT C.CUIT-ID, C.CUIT-Name, C.CUIT-Phone NO,
C.CUIT-city, m.Mobile-Name, m.Mobile-Price,
C.CUIT-Amount Paid.
FROM Customer C
JOIN Mobile m
ON C.CUIT-Amount Paid = m.Mobile Price;
```


Query

eg.1.

```
SELECT * FROM CUSTOMER MOBILE VIEW;
```

Output

CUT-ID	CUT-NAME	CUT-PHONE	CUT-CITY	MOBILE-PRICE	Amount paid
1.	Thon	9876543210	Hydrabad	15000	15000
2.	Smith	9123456780	Delhi	12000	12000

Create Triggers:-

eg.

```
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.CUT-Amount Paid  
LIMIT 1;
```

```
IF price IS NULL THEN
```

```
SIGNAL SQLSTATE '45000'
```

```
SET MESSAGE-TEXT = 'Invalid payment: no  
matching mobile found!';
```

```
END IF;
```

```
END;
```

Test

eg.

```
INSERT INTO CUSTOMER VALUES (3, 'Ajay', '90000000',  
'Mumbai', 8000);
```

Error

```
Invalid payment: no matching mobile found!
```

A NEW PERMANENT
CELEBRATING THE CONTRAST
BETWEEN THE HUMAN
BODY AND SPIRIT!

SQL > Insert into mobile phone values
(1, 'Realme', 50000);

Output:- 1 row inserted

SQL > select * from mobile phone;

cut-id	cut-Name	cut-phone	cut-city	Mobile Price	Amount paid
1	Thon	98705112210	Hyderabad	30,000	30,000
2	switch	9123456780	Delhi	15,000	15,000

Result:- Thus the implementation of trigger
of views on the data
base has been successfully
completed and verified.

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

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