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TRIGGERS & VIEWS

Topic 6

Aim:- To implement pl/SQL procedures, Function & loop on number theory & business scenarios.

Create table.

SQL - Customers Table.

Create Table ~~Customer~~. patient(

Customer-ID , INT PRIMARY key

Patient-name , VARCHAR(50)

Patient-phone no VARCHAR(25);

Patient-Address VARCHAR(30);

Patient - Amount paid . DECIMAL (10,2)

);

Insert Sample data

SQL - Insert customers patient.

INSERT INTO patient VALUES.

(1, 'vivek', 9876543210, 'vizag', 25000);

(2, 'Swamy', 9123456780, 'Delhi', 12000);

Create views:-

SQL

✓ CREATE VIEW patient_view AS

SELECT patient-ID, Patient-name, Patient-phone no,
Patient-City, mobile-name, medicine-price, patient-amount

From patient C

Join medicine.

ON. patient - amount paid - medical price;

Query.

SQL

SELECT * From patient view;
output.

| Patient ID | Patient-name | Patient-phno | Patient City | Patient-Bill |
|------------|--------------|--------------|--------------|--------------|
| 1 | Virek | 9875643210 | vizag | 15000 |
| 2 | Somy | 912346780 | Delhi | 12000 |

Create trigger

SQL

CREATE TRIGGER Check-amount - before insert.

Before Insert on Customer.

For Each Row:

Beginning

Declare Price decimal(10,2);

Select mobile-price into Price.

Where mobile-price = new.Cust-Amount
Paid

limit 1:-

If Price is null then
Signal SQL state '45000'

| VEL TECH | |
|-------------------------|----|
| EX NO. | 6 |
| PERFORMANCE (5) | ⑤ |
| RESULT AND ANALYSIS (5) | 5 |
| VIVA VOCE (5) | 3 |
| RECORD (5) | 3 |
| TOTAL (20) | 13 |
| SIGN WITH DATE | 8 |

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```
Set message-text = Invalid payment - no matching mobile found?  
End IF;  
End;
```

Test:-

SQL

Insert into Customer values (3, 'vivek', 900000, 'vivo', 8000);

Error:-

Invalid Payment: no matching mobi) found;

SQL > insert into ~~mobi~~, Phone values

(1, 1 ^{Patient} 'Realme' ^{Patient}, 50000);

Output:- 1 row inserted.

SQL > select * Patient name;

| VELTECH | |
|-------------------------|--|
| EX No. | |
| PERFORMANCE (5) | |
| RESULT AND ANALYSIS (5) | |
| VIVA VOCE (5) | |
| RECORD (5) | |
| TOTAL (20) | |
| SIGN WITH DATE | |

Result:- Thus, the implementation of Trigger or view on the database has been successfully completed & verified.