

TASK - 6 Triggers and Views

Dt: 16-09-25

Aim:- To implement and create a triggers and a Views in SQL.

Trigger in SQL :-

A Special SQL procedure that automatically executes when a specific event (like INSERT, UPDATE, CREATE, DELETE) happens on a table.

Create Trigger trigger_name

on table_name

After Insert / Update / Delete

AS

Begin

- SQL statement to execute

End;

Create trigger insert_default_account

After Insert on customer

For each row

Begin

insert into bank_account (account_number, customerID, balance, category) values (1000 + new.customerID, new.customerID, 0, 'default');

End;

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insert into customer (customerID, name, address) values (1, 'Alice', 'Hyderabad');

insert into customer (customerID, name, address) values (2, 'Bob', 'Chennai');

Select * from bank_Account;

Outputs

Account number	CustomerID	Balance	category
1001	1	0	Default
1002	2	0	Default

View in SQL:-

A view is a virtual table based on the result of a SQL Query. It doesn't store data itself.

Syntax:- create view view-name AS
select column 1, column 2, ...,
From table 1
Join table 2 on condition
where condition;

Query:- Create view customerAccount details AS
select

c.customerID,
c.name AS Customer Address,
ba.account-number AS AccountNumber
ba.balance AS AccountBalance
ba.Category AS AccountCategory

From Customer c

Join bank_Account ba ON c.CustomerID = ba.
CustomerID;

Select * From CustomerAccount details;

Output:-

CustomerID	Customername	Customer Address	Account number	Account Balance	Account category
1	Alice	Chennai	1001	10000	Swings
2	Bob	Hyderabad	1002	250000	Salary

VEL TECH	
EX NO.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	15
TOTAL	17
SIC	

17/9

Result:- The implementation & creating a trigger and views in SQL are executed successfully.