

Task no: 6

Triggers and Views

Date: 16/9/25

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, DELETE) happens on a table

Syntax: Create Trigger trigger_name
on table_name

After Insert / Update / Delete

As

Begin

• SQL Statement to execute

End;

Query:

Create trigger insert_default_account

After Insert on customer

For each row

Begin

Insert Into bank_account (account_number, CustomerID,
balances, 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;

Output:

Account number	Customer ID	Balance	Category
1001	1	0	Default
1002	2	0	Default

view in SQL:

A view is a traditional table based on the results of a SQL query. It doesn't store data itself.

Syntax:

```
Create view view-name As
Select column1, column2, ...
From table1
Join table2 on condition
Where condition;
```

Query:

Create view customer Account details As

Select

c. customer ID,
c. name As Customer Name,
c. address As Customer Address,
ba. account_number As account Number,
ba. balance As Account Balance,
ba. Category As Account Category.

From customer c

Join bank Account ba ON c. Customer ID = ba. Customer ID;

Select * from Customer Account Details;

Output:

Customer ID	Customer name	Customer Address	Account Number	Account Balance	Balance Category
1	Alice	Chennai	1001	10000	Savings
2	Bob	Hyderabad	1002	25000	Savings

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EX NO.	6
PERFORMANCE (5)	5
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RECORD (5)	-
TOTAL (20)	16
DATE	

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Result: To implement and create a triggers and a views in SQL Command are executed Successfully.