

Task NO 6

Date: 16-9-25

Triggers and Views

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 statements to execute.

end;

Query ::

create trigger insert - default - account

After Insert on customer

for each row

Begin

insert into bank-account (account-number, customerID, balance, category) values (:new, customerID, :new, customerID, 0, 'Default');

END;

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Insert into customer (customerID, name, address) values (1, 'Alka', '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 virtual table based on the result 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	account category
1	Alice	Chennai	1001	10000	Savings
2	Bob	Hyderabad	1002	25000	Savings

VEL TECH	
EX NO.	8
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	-
TOTAL (25)	15
SIGN WITH DATE	16/01/13

Result The implementation & creationg of triggers and
views in SQL are executed successfully.