Task - 6

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, Delect) 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, customer ID, balance, category) values (1000+:new, Customer ID, :new. CustomerID_o
    (Default');
End;
/
insert into Customer (customer ID, name, address) value (1,'Alice', Hyderabad);
insert into Customer (customer ID, 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 table 2 on Condition
where Condition;
```

Query: Create view Customer account details As
Select
```
        C. Customer ID,
        C. name AS CustomerName,
        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	Salary

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