VIEWS IN SQL

CREATE DATABASE back;

use back;

CREATE TABLE Employee

(

id INT NOT NULL PRIMARY KEY,

fname CHAR(25),

lname CHAR(25),

age INT,

emailId CHAR(25),

PhoneNo INT,

City CHAR(25)

);

INSERT INTO Employee

(id,fname,lname,age,emailId,PhoneNo,City)VALUES

(1,'Aman','Proto',32,'aman@gmail.com',898,'Delhi'),

(2,'Yagya','Naryan',44,'yaga@gmail.com',222,'Palam'),

(3,'Rahul','BD',22,'rahul@gmail.com',444,'Kolkata'),

(4,'Jatin','Hermit',31,'jatin@gmail.com',666,'Raipur'),

(5,'PK','Pandey',21,'pk@gmail.com',555,'Jaipur');

CREATE TABLE Client

(

id INT NOT NULL PRIMARY KEY ,

first\_name CHAR(25),

last\_name CHAR(25),

age int,

emailid CHAR(25),

PhoneNo INT,

City CHAR(25),

empid INT,

FOREIGN KEY (empid)

REFERENCES Employee (id)

ON DELETE CASCADE

);

INSERT INTO Client

(id, first\_name,last\_name,age,emailID,PhoneNo,City,empid)VALUES

(1,'Mac','Rogers',47,'mac@hotmail.com',333,'Kolkata',3),

(2,'Max','Poirier',27,'max@hotmail.com',222,'Kolkata',3),

(3,'Peter','Jain',24,'peter@hotmail.com',111,'Delhi',1),

(4,'Sushant','Aggrawal',23,'sushant@hotmail.com',45454,'Hyderbad',5),

(5,'Pratap','Singh',36,'pratap@hotmail.com',77767,'Mumbai',2);

CREATE TABLE Project

(

id INT NOT NULL PRIMARY KEY,

name CHAR(25),

startdate CHAR(25),

empid INT,

clientid INT,

FOREIGN KEY (clientid)

REFERENCES Client (id)

ON DELETE CASCADE,

FOREIGN KEY (empid)

REFERENCES Employee (id)

ON DELETE CASCADE

);

INSERT INTO Project

(id,empid,name,startdate,clientid)VALUES

(1,1,'A','2021-04-21',3),

(2,2,'B','2021-03-12',1),

(3,3,'C','2021-01-16',5),

(4,3,'D','2021-04-27',2),

(5,5,'E','2021-05-01',4);

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-- View

-- Creating a view

CREATE VIEW custom\_view as select fname,age from Employee;

-- VIEWING FROM VIEW

SELECT \* FROM custom\_view;

-- Altering the view

ALTER VIEW custom\_view AS SELECT fname,lname from Employee;

-- Droping the view

DROP VIEW IF EXISTS custom\_view;

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