**DBMS LAB ASSIGNMENT- VIEWS**

create table studentdetail (sid char(90),sname char (90),address char (90));

INSERT INTO studentdetail (sid, sname, address) VALUES ('S101', 'Amit Sharma', 'Delhi');

INSERT INTO studentdetail (sid, sname, address) VALUES ('S102', 'Priya Verma', 'Mumbai');

INSERT INTO studentdetail (sid, sname, address) VALUES ('S103', 'Rahul Gupta', 'Kolkata');

INSERT INTO studentdetail (sid, sname, address) VALUES ('S104', 'Neha Singh', 'Chennai');

INSERT INTO studentdetail (sid, sname, address) VALUES ('S105', 'Vikas Mehra', 'Bangalore');

CREATE VIEW detailview AS SELECT sid, sname, address FROM studentdetail;

select \* from studentdetail where sid='S101';

DROP VIEW detailview;

create table teacherdetail (tid char(90),sname char (90),address char (90));

INSERT INTO teacherdetail (tid, sname, address) VALUES ('T001', 'John Doe', '123 Main St');

INSERT INTO teacherdetail (tid, sname, address) VALUES ('T002', 'Jane Smith', '456 Oak St');

INSERT INTO teacherdetail (tid, sname, address) VALUES ('T003', 'Mark Johnson', '789 Pine St');

INSERT INTO teacherdetail (tid, sname, address) VALUES ('T004', 'Emily Davis', '321 Elm St');

INSERT INTO teacherdetail (tid, sname, address) VALUES ('T005', 'Michael Brown', '654 Maple Ave');

CREATE VIEW teacher\_student\_view AS

SELECT t.tid, t.sname AS teacher\_name, t.address AS teacher\_address,

s.sid, s.sname AS student\_name, s.address AS student\_address

FROM teacherdetail t

JOIN studentdetail s ON t.tid = s.sid;

select \* from teacherdetail where tid='T001';

CREATE VIEW teacher\_view AS SELECT tid, sname, address FROM teacherdetail;

UPDATE teacher\_view

SET sname = 'John Smith'

WHERE tid = 'T001';

select \* from teacherdetail where tid='T001';

