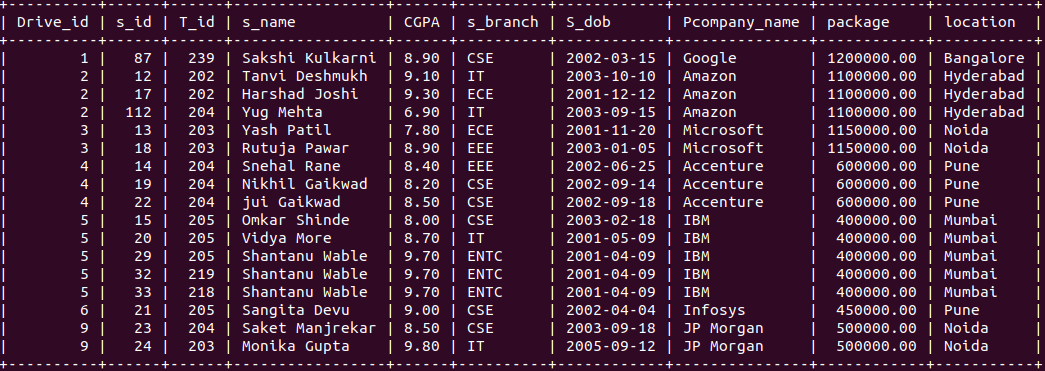
**ASSIGNMENT 3**

**Roll No: 31448**

**1. Find the Student details and Placement details using NATURAL JOIN.**

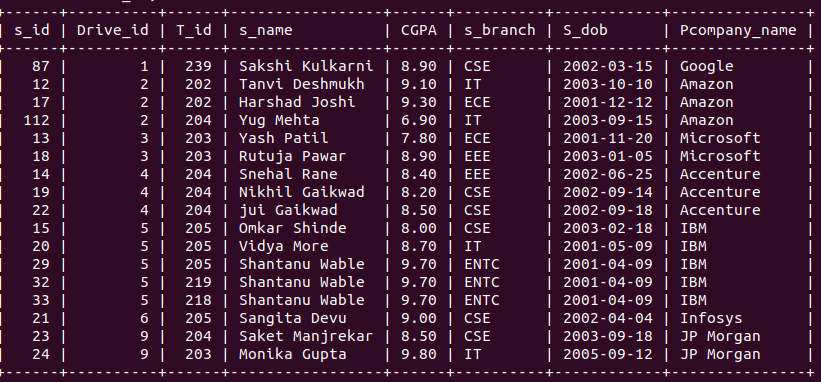
SELECT \* FROM Student NATURAL JOIN PlacementDrive;



**2. Find all the student details with company\_name who have conducted in same drive**

SELECT s.\*,p.Pcompany\_name FROM Student s JOIN PlacementDrive p ON p.Drive\_id =

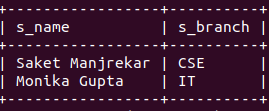
s.Drive\_id;



**3.List all the Student name and Student branch of Student having package 5 LPA**

SELECT s\_name,s\_branch from Student s JOIN PlacementDrive p ON p.Drive\_id = s.Drive\_id

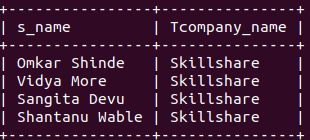
WHERE p.package=500000;



**4.List all the student names ,company\_name having T\_fee more than 20000**

SELECT s\_name,t.Tcompany\_name FROM Student s JOIN Training t ON s.T\_id=t.T\_id WHERE

t.T\_Fee>20000;



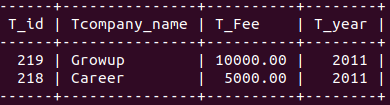
**5. Display all training details attended by “shantanu” in year 2011**

SELECT t.\* FROM Training t JOIN Student s ON t.t\_id = s.t\_id WHERE s.s\_name LIKE

“Shantanu%” AND t.t\_year=2011;

// i should have taken date as 2022-06-9 but i just took year, YEAR(t.t\_date)=2011 my field is also

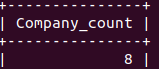
t\_year instead of t\_date



**6. list the total number of companies who conduct training before 2015**

SELECT COUNT(DISTINCT Tcompany\_name) AS Company\_count FROM Training WHERE

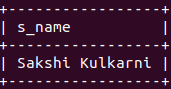
t\_year<2015;



**7. List the students name with company ‘Microsoft’ and location ’Thane’**

SELECT s.s\_name FROM Student s JOIN PlacementDrive p ON p.Drive\_id=s.Drive\_id WHERE

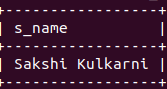
p.Pcompany\_name = "Microsoft" AND p.location = "Thane";



**8. Find the names of all Students who have joined ‘Microsoft ‘ training in 2015 .**

SELECT s.s\_name FROM Student s JOIN Training t ON s.T\_id = t.T\_id WHERE

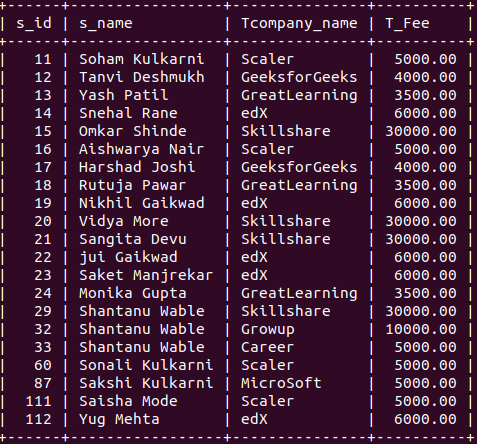
t.Tcompany\_name = 'Microsoft' AND t.T\_year = 2015;



**9. Create a view showing the Student and Training details.**

CREATE VIEW stud\_training AS SELECT s.s\_id,s.s\_name,t.Tcompany\_name,t.T\_Fee FROM Student s JOIN Training t ON s.T\_id = t.T\_id;

SELECT \* FROM stud\_training



**10. Perform Manipulation on simple view-Insert, update, delete, drop view.**

**Note:** inorder to manipulate view there are rule:

1. Single table(No join)

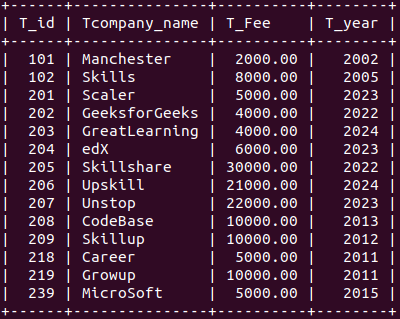
2. All not null value.

3. No complex or subquery.

**CREATE:**

CREATE VIEW training\_view AS SELECT T\_id,Tcompany\_name,T\_Fee,T\_year FROM Training;

SELECT \* FROM training\_view;

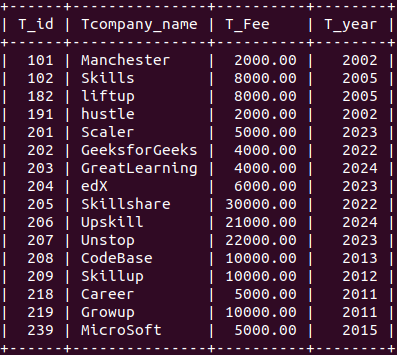
****

**INSERT:**

INSERT INTO training\_view(T\_id,Tcompany\_name,T\_Fee,T\_year) VALUES (101,'hustle',2000,2002),

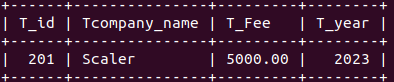
(102,'liftup',8000,2005);

SELECT \* FROM training\_view;

****

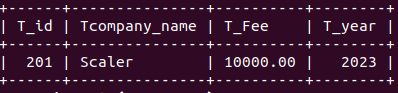
**UPDATE:**

SELECT \* FROM training\_view WHERE Tcompany\_name = "Scaler";



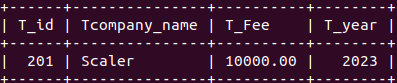
UPDATE training\_view SET T\_Fee=10000 WHERE Tcompany\_name ="Scaler";

SELECT \* FROM training\_view WHERE Tcompany\_name = "Scaler";



**DELETE:**

SELECT \* FROM training\_view WHERE Tcompany\_name = "Scaler";

DELETE FROM training\_view WHERE Tcompany\_name = "Scaler";

SELECT \* FROM training\_view WHERE Tcompany\_name = "Scaler";

**Empty set (0.001 sec)**

**DROP:**

DROP view training\_view;

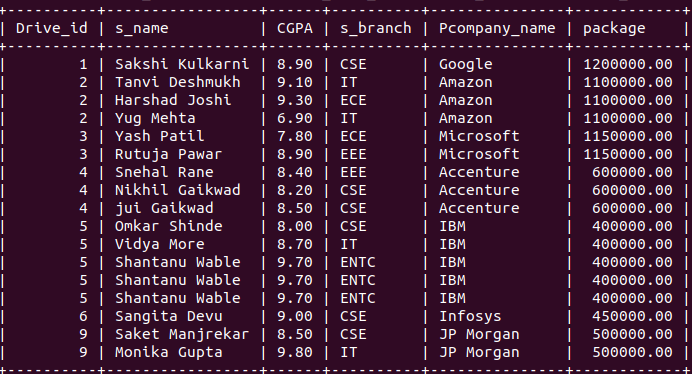
SELECT \* FROM training\_view;

**ERROR 1146 (42S02): Table 'te31448\_db.training\_view' doesn't exist**

**JOINS**

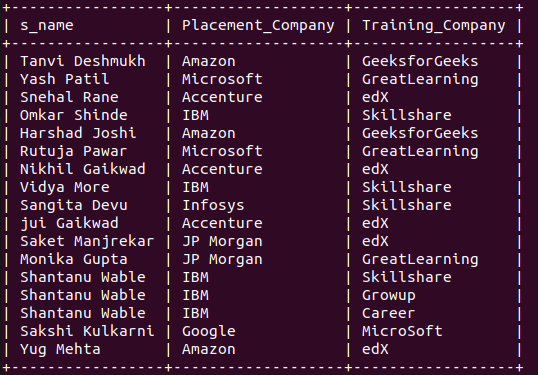
**1. INNER JOINS**

SELECT p.Drive\_id,s\_name,CGPA,s\_branch,Pcompany\_name,package FROM Student s INNER JOIN PlacementDrive p ON s.Drive\_id=p.Drive\_id;



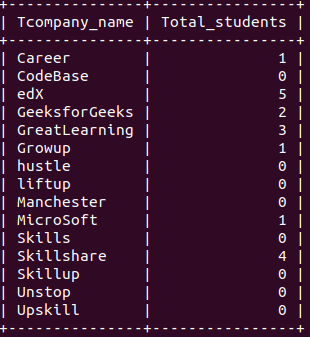
**2. LEFT JOIN**

SELECT s.s\_name,p.Pcompany\_name AS Placement\_Company, t.Tcompany\_name AS Training\_Company FROM Student s LEFT JOIN PlacementDrive p ON s.Drive\_id=p.Drive\_id LEFT JOIN Training t ON s.T\_id = t.T\_id;



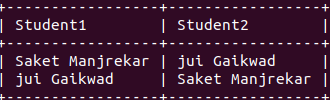
**3. RIGHT JOIN**

SELECT t.Tcompany\_name, COUNT(s.s\_id) AS Total\_students FROM Student s RIGHT JOIN Training t ON s.T\_id =t.T\_id GROUP BY t.Tcompany\_name;



**4.SELF JOIN**

SELECT A.s\_name as Student1, B.s\_name AS Student2 FROM Student A, Student B WHERE A.s\_name<>B.s\_name AND A.s\_branch=B.s\_branch AND A.CGPA=B.CGPA ORDER BY A.s\_branch;

****