7. Execute the following queries

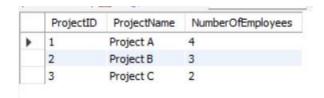
- a. For each project, retrieve the project number, the project name, and the number of employee who work on that project.(use GROUP BY)
- b. Retrieve the name of employees who born in the year 1990"s
- a. Retrieve project number, project name, and number of employees working on each project.

SELECT p.ProjectID, p.ProjectName,

COUNT(ep.EmpID) AS NumberOfEmployees

FROM Projects p

LEFT JOIN Employee_Project ep ON p.ProjectID = ep.ProjectID GROUP BY p.ProjectID, p.ProjectName;



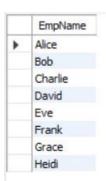
b. Retrieve names of employees born in the 1990s (assuming a date of birth field).

Note: We'll need to assume there's a `DOB` (date of birth) field in the `Employees` table.

SELECT EmpName

FROM Employees

WHERE YEAR(DOB) BETWEEN 1990 AND 1999;



8. For each department that has more than five employees, retrieve the department number and number of employees who are making salary more than 40000.

Retrieve department number and number of employees making more than 40,000.

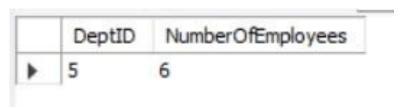
SELECT DeptID, COUNT(EmpID) AS NumberOfEmployees

FROM Employees

WHERE Salary > 40000

GROUP BY DeptID

HAVING COUNT(EmpID) > 5;



9. For each project on which more than two employees work, retrieve the project number, project name and the number of employees who work on that project.

For projects with more than two employees.

SELECT p.ProjectID, p.ProjectName, COUNT(EmpID) AS NumberOfEmployees

FROM Projects p

JOIN Employee Project ep ON p.ProjectID = ep.ProjectID

GROUP BY ProjectID, ProjectName

HAVING COUNT(EmpID) > 2;

	ProjectID	ProjectName	NumberOfEmployees
Þ	1	Project A	4
	2	Project B	3

- 10. For a given set of relation tables perform the following
 - a. Creating Views (with and without check option), Dropping views, Selecting from a view.
 - a. Creating a View

CREATE VIEW HighSalaryEmployees AS SELECT EmpName, Salary FROM Employees WHERE Salary > 60000;

b. Selecting from a View

SELECT * FROM HighSalaryEmployees;

	EmpName	Salary
•	Frank	70000.00
	Grace	80000.00
	Heidi	65000.00
	Judy	90000.00
	Judy	90000.00
	Judy	100000.00
	Judy	200000.00
	Judy	300000.00

a. Creating a View

CREATE VIEW HighSalaryEmployees AS SELECT EmpName, Salary FROM Employees WHERE Salary > 60000;

b. Dropping a View

DROP VIEW IF EXISTS HighSalaryEmployees;

c. Selecting from a View

SELECT * FROM HighSalaryEmployees;

- 9 17:35:09 CREATE VIEW HighSalaryEmployees AS SELECT EmpName, Salary FROM Employees WHERE Salary > 6... 0 row(s) affected
- 10 17:35:17 DROP VIEW IF EXISTS HighSalaryEmployees
 0 row(s) affected
- 11 17:35:29 SELECT * FROM HighSalaryEmployees LIMIT 0, 1000