Assignment – 6

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Create Database Company

Create Table Employees ( Employee\_Id Int Primary key NOT NULL,

FirstName Varchar(30),

LastName Varchar(30),

Salary Decimal(10,3),

Dateofjoining date,

Department\_name varchar(50),

Gender varchar(10));

ALTER TABLE Project

ADD CONSTRAINT Employee\_Id

FOREIGN KEY (Employee\_Id)

REFERENCES Employees (Employee\_Id);

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1001,'Priyanshu','Panda',55000,'2020-8-18','Junior Developer','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1002,'Rohit','Sharma',45000,'2020-8-16','Sales','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1003,'Abhinash','Gupta',55000,'2020-6-18','HR','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1004,'Ishani','Singh',40000,'2021-1-18','Customer Relations','Female');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1005,'Raghav','Rao',50000,'2021-8-18','Junior Developer','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1006,'David','Jhon',40000,'2021-3-18','Sales','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1007,'Monika','Gupta',35000,'2021-4-20','HR','Female');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1008,'Shruti','Aggwaral',35000,'2021-4-20','HR','Female');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1009,'Ajay','Nayak',30000,'2021-9-20','Sales','Male');

INSERT INTO Employees(Employee\_Id,FirstName,LastName,Salary,Dateofjoining,Department\_name,Gender )

VALUES (1010,'Himesh','Gupta',35000,'2021-4-20','Junior Developer','Male');

Select \* from Employees

Create table Project (Projectld int Primary Key NOT NULL,

Projectname varchar(50),

Employee\_Id int );

insert into Project values(1, 'IRCTC', 1001)

insert into Project values(2, 'HR Management',1003 )

insert into Project values(3, 'ERP System', 1001)

insert into Project values(4, 'TimeSheetTrack', 1004)

insert into Project values(5, 'CBSE E-Learn', 1005)

insert into Project values(6, 'Customer Management', 1007)

insert into Project values(7, 'GRS', 1007)

insert into Project values(8, '', 1002)

insert into Project values(9, 'LMS', 1010)

insert into Project values(10, 'Uniliver', 1010)

insert into Project values(11, 'HR Management', 1003)

insert into Project values(12, 'DRDO',1006)

insert into Project values(13, 'Flipkart', null)

insert into Project values(14, 'Delloite', 1001)

insert into Project values(15, ' ', 1007)

insert into Project values(16, 'State Bank of India', null)

insert into Project values(17, '', 1009)

Select \* from Project

---Write the query to get the department name and department wise total salary, display it in ascending order of salary.---

SELECT Department\_name, SUM(Salary)

FROM Employees

GROUP BY Department\_name;

--- Write a query to display the total number of employees department wise.---

SELECT Department\_name, COUNT(\*) FROM Employees GROUP BY Department\_name;

--- Write a query to fetch Project name assigned to more than one Employee---

SELECT Projectname FROM Project GROUP BY Projectname HAVING COUNT(Employee\_Id) > 1

---Write a query to display the employees for whom the project is assigned order by employee firstname:---

SELECT Firstname, Projectname FROM Employees FULL OUTER JOIN Project on Employees.Employee\_Id = Project.Employee\_Id WHERE Projectname != '' ORDER BY FirstName

SELECT Firstname, Projectname FROM Employees INNER JOIN Project on Employees.Employee\_Id = Project.Employee\_Id WHERE Projectname != '' ORDER BY FirstName

---Write a query to find out the project name which is not assigned to any employee. Write a query to find out the name of the employee who have not assigned any project---

SELECT Projectname FROM Employees RIGHT OUTER JOIN Project on Employees.Employee\_Id = Project.Employee\_Id where FirstName is NULL

---Write a query to find out the name of the employee who have not assigned any project yet.---

SELECT Employees.Employee\_Id, FirstName FROM Employees INNER JOIN Project ON Employees.Employee\_Id = Project.Employee\_Id

WHERE Projectname = ''

---Write a query to display EmployeeName & Project who has assigned more than one project.---

SELECT Employees.Employee\_Id, FirstName FROM Employees INNER JOIN Project on Employees.Employee\_Id = Project.Employee\_Id

WHERE Project.Employee\_Id IN (SELECT Employee\_Id FROM [Project] GROUP BY Employee\_Id HAVING COUNT(\*) > 1 )

---Write a query to display ProjectName, Employee name on which more than one employee is working.---

SELECT Project.Projectname, Employees.FirstName from Project INNER JOIN Employees on Project.Employee\_Id = Employees.Employee\_Id

where Project.Projectname in (select Projectname from Project group by Projectname having count(\*) > 1