



Experiment No. 1.1

Student Name: Rishav Kumar UID: 22MCC20039

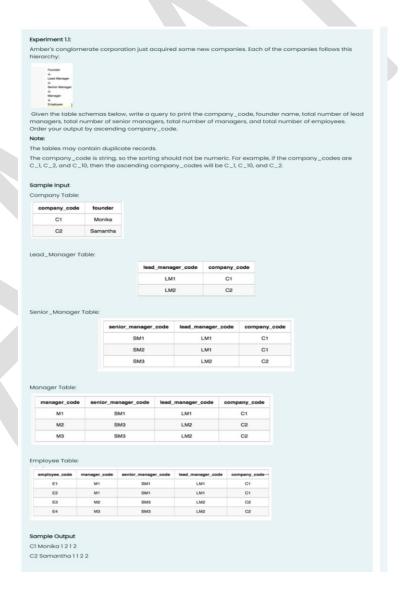
Branch: MCA - CCD Section/Group: MCD-1/ Grp B

Semester: I Date of Performance: 26th Sept 22

Subject Code: 22CAP-647

1. Aim/Overview of the practical:

Subject Name: Advanced DBMS Lab







- 2. Task to be done:
- 3. Algorithm/Flowchart:
- 4. Code for experiment/practical:

Codes for Creating Tables & Inserting Values: -

```
create table Company(company code varchar(10), founder varchar(30));
insert into Company values('C1', 'Rakesh');
insert into Company values('C2', 'Ambani');
insert into Company values('C3', 'Tata');
create table Lead_Manager(lead_manager_code varchar(10), company_code
varchar(10));
insert into Lead_Manager values('LM1', 'C1');
insert into Lead Manager values('LM2', 'C2');
insert into Lead_Manager values('LM3', 'C3');
create table Senior_Manager(senior_manager_code varchar(10), lead_manager_code
varchar(10), company_code varchar(10));
insert into Senior_Manager values('SM1', 'LM1', 'C1');
insert into Senior_Manager values('SM2', 'LM1', 'C1');
insert into Senior_Manager values('SM3', 'LM2', 'C2');
insert into Senior_Manager values('SM4', 'LM3', 'C3');
insert into Senior_Manager values('SM5', 'LM3', 'C3');
create table Manager(manager_code varchar(10), senior_manager_code varchar(10),
lead_manager_code varchar(10), company_code varchar(10));
insert into Manager values('M1', 'SM1', 'LM1', 'C1');
```

insert into Manager values('M2', 'SM2', 'LM1', 'C1'); insert into Manager values('M3', 'SM3', 'LM2', 'C2');





```
insert into Manager values('M4', 'SM3', 'LM2', 'C2'); insert into Manager values('M5', 'SM4', 'LM3', 'C3'); insert into Manager values('M6', 'SM5', 'LM3', 'C3');
```

create table **Employee**(employee_code varchar(10), manager_code varchar(10), senior_manager_code varchar(10), lead_manager_code varchar(10), company_code varchar(10));

```
insert into Employee values('E1', 'M1', 'SM1', 'LM1', 'C1'); insert into Employee values('E2', 'M1', 'SM1', 'LM1', 'C1'); insert into Employee values('E3', 'M2', 'SM2', 'LM1', 'C1'); insert into Employee values('E4', 'M3', 'SM3', 'LM2', 'C2'); insert into Employee values('E5', 'M4', 'SM3', 'LM2', 'C2'); insert into Employee values('E6', 'M5', 'SM4', 'LM3', 'C3'); insert into Employee values('E7', 'M6', 'SM5', 'LM3', 'C3');
```

Code for Main Query: -

select Company.company_code, Company.founder, count(distinct

Lead_Manager.lead_manager_code), count(distinct

Senior_Manager.senior_manager_code), count(distinct Manager.manager_code),

count(distinct Employee.employee_code) from Company join Lead_Manager on

Company.company_code = Lead_Manager.company_code join Senior_Manager on

Lead_Manager.lead_manager_code = Senior_Manager.lead_manager_code join Manager

on Manager.senior_manager_code = Senior_Manager.senior_manager_code join

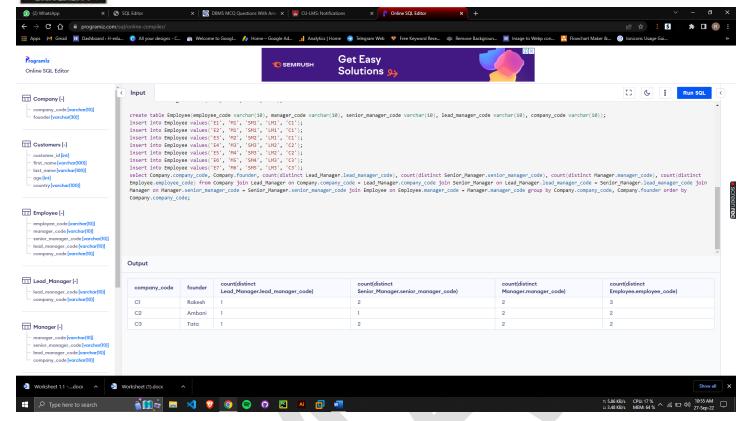
Employee on Employee.manager_code = Manager.manager_code group by

Company.company_code, Company.founder order by Company.company_code;

5. Result/Output/Writing Summary:







Learning outcomes (What I have learned):

- 1. Learned to create tables and inset values in it.
- **2.** Learned to implement the join method for getting the output.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance		5
	(Pre Lab Quiz)		
2.	Worksheet		10
3.	Post Lab Quiz		5