DBMS LAB -4

create table EMP (employee_id int, first_name varchar(20), last_name varchar(20), email varchar(20), phone_number varchar(30), hire_date date, job_id varchar(30), commissino_pct float, manager_id int, department_id int);

create table DEPT (department_id int, department_name varchar(20), manager_id int, location_id int);

create table LOCA (location_id int, street_address varchar(30), postal_code int, city varchar(10), stata_province varchar(30), country_id int);

```
insert into EMP values (1, "sanjiv", "lastname1", "emp1@company.org", "0000000001", "2023-08-24", "IT_PROG", 10.1,1,1);
```

insert into EMP values (2, "soma", "lastname2", "emp2@company.org", "0000000002", "2023-08-24", "IT_PROG", 10.2 ,1, 1);

insert into EMP values (3, "sri", "lastname3", "emp3@company.org", "0000000003", "2023-08-24", "AD_PRESS", 10.3, 2, 2);

insert into EMP values (134, "vignesh", "lastname134", "emp1@company.org", "000000004", "2023-08-24", "IT_PROG", 10.4, 1, 1);

insert into EMP values (159, "mano", "lastname159", "<u>emp1@company.org</u>", "000000005", "2023-08-24", "IT_PROG", 10.5 ,1, 1);

insert into EMP values (183, "nithin", "lastname183", "emp1@company.org", "000000006", "2023-08-24", "IT_PROG", 10.6, 1, 1);

insert into EMP values (8, "jaman", "lastname8", "emp8@company.org", "0000000007", "2023-08-24", "AD_PRESS", 10.7, 2, 2);

insert into EMP values (9, "bhoop", "lastname9", "emp9@company.org", "0000000008", "2023-08-24", "AD_PRESS", 10.8, 2, 2);

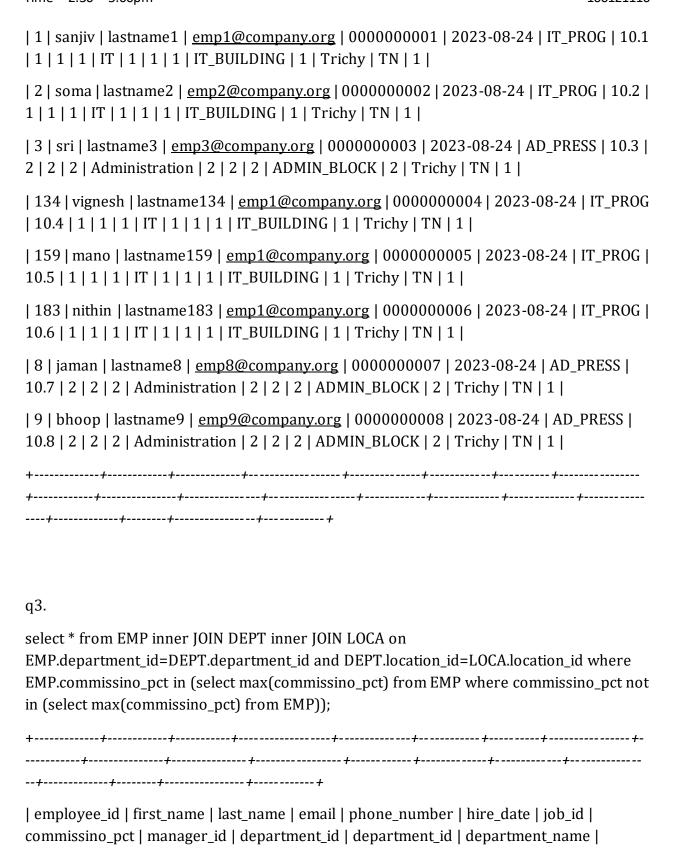
insert into DEPT values (1, "IT", 1, 1);

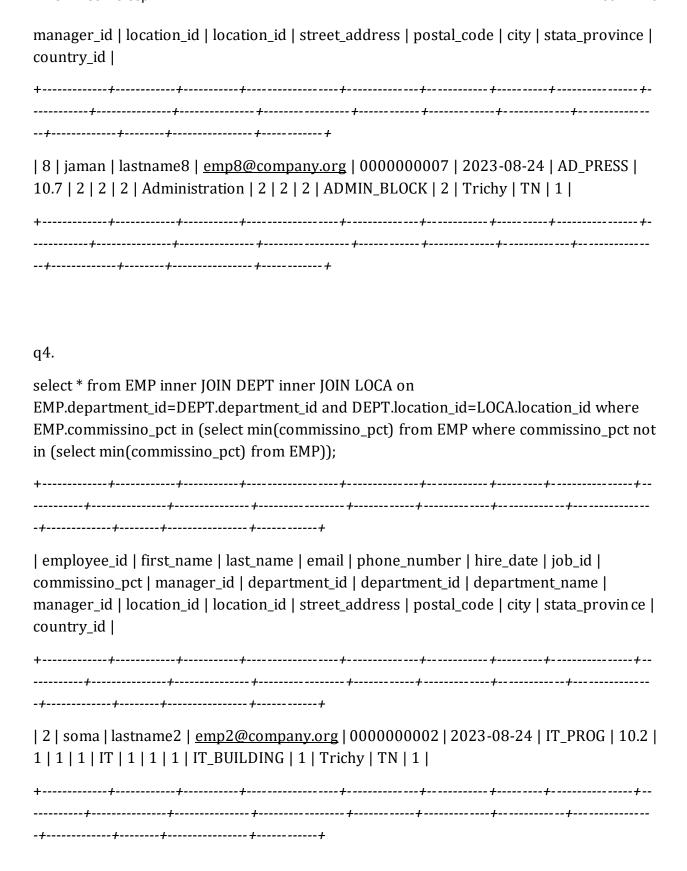
```
Date - 24/08/2023
Time - 2:30 - 5:00pm
```

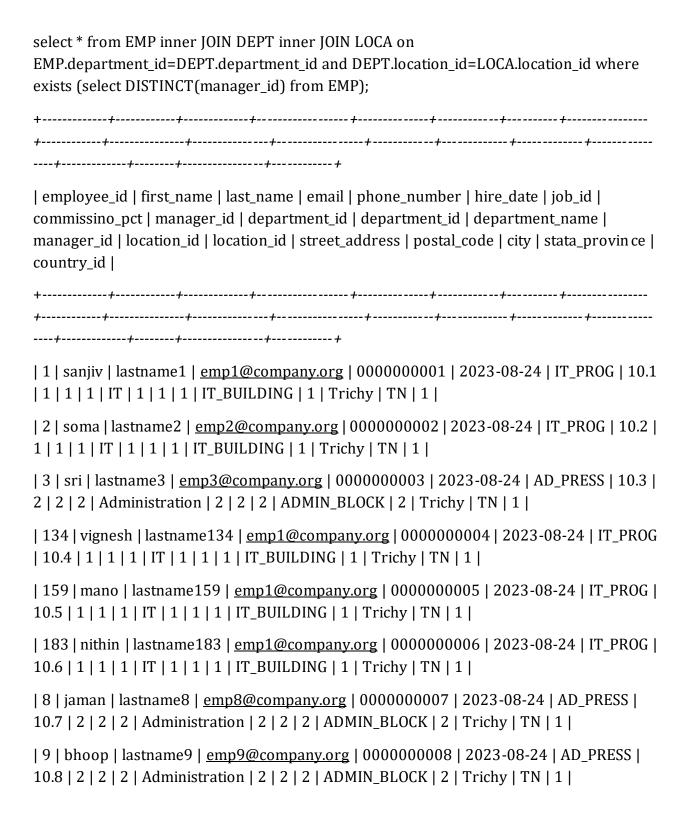
insert into DEPT values (2, "Administration", 2, 2);

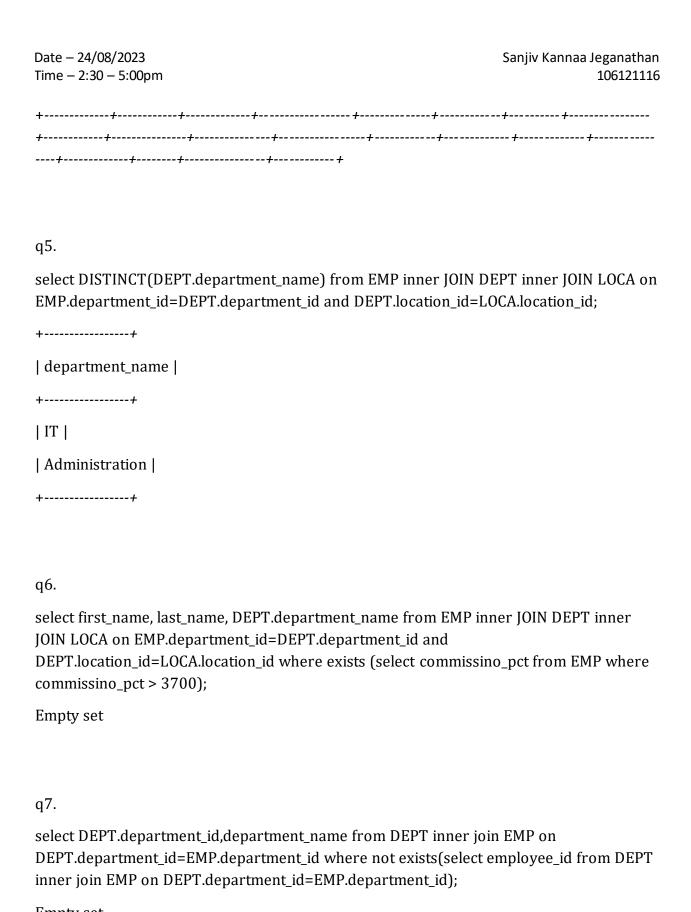
```
insert into LOCA values (1, "IT_BUILDING", 1, "Trichy", "TN", 1);
insert into LOCA values (2, "ADMIN_BLOCK", 2, "Trichy", "TN", 1);
select * from EMP;
+----+
| employee_id | first_name | last_name | email | phone_number | hire_date | job_id |
commissino_pct | manager_id | department_id |
+----+
| 1 | sanjiv | lastname1 | emp1@company.org | 0000000001 | 2023-08-24 | IT_PROG | 10.1
|1|1|
| 2 | soma | lastname2 | emp2@company.org | 0000000002 | 2023-08-24 | IT_PROG | 10.2 |
1 | 1 |
| 3 | sri | lastname3 | emp3@company.org | 0000000003 | 2023-08-24 | AD_PRESS | 10.3 |
2 | 2 |
| 134 | vignesh | lastname134 | emp1@company.org | 0000000004 | 2023-08-24 | IT_PROG
| 10.4 | 1 | 1 |
| 159 | mano | lastname159 | emp1@company.org | 0000000005 | 2023-08-24 | IT_PROG |
10.5 | 1 | 1 |
| 183 | nithin | lastname183 | emp1@company.org | 000000006 | 2023-08-24 | IT PROG |
10.6 | 1 | 1 |
| 8 | jaman | lastname8 | emp8@company.org | 0000000007 | 2023-08-24 | AD PRESS |
10.7 | 2 | 2 |
| 9 | bhoop | lastname9 | emp9@company.org | 0000000008 | 2023-08-24 | AD_PRESS |
10.8 | 2 | 2 |
```

employee_id first_name last_name email phone_number hire_date job_id commissino_pct manager_id department_id department_id department_name manager_id location_id street_address postal_code city stata_province country_id
+
<i>++++++</i>
++
134 vignesh lastname134 <u>emp1@company.org</u> 0000000004 2023-08-24 IT_PROG 10.4 1 1 1 IT 1 1 I IT_BUILDING 1 Trichy TN 1
159 mano lastname159 <u>emp1@company.org</u> 0000000005 2023-08-24 IT_PROG 10.5 1 1 1 IT 1 1 IT_BUILDING 1 Trichy TN 1
183 nithin lastname183 <u>emp1@company.org</u> 0000000006 2023-08-24 IT_PROG 10.6 1 1 1 IT 1 1 IT_BUILDING 1 Trichy TN 1
+
++++++
+++
q2.
SELECT * FROM EMP INNER JOIN DEPT INNER JOIN LOCA ON
EMP.DEPARTMENT_ID=DEPT.DEPARTMENT_ID AND DEPT.LOCATION ID=LOCA.LOCATION ID WHERE EMP.DEPARTMENT ID NOT IN (SELECT
DEPARTMENT_ID FROM DEPT WHERE MANAGER_ID BETWEEN 100 AND 200);
+
++++++
++++
employee_id first_name last_name email phone_number hire_date job_id
commissino_pct manager_id department_id department_id department_name
manager_id location_id location_id street_address postal_code city stata_province
country_id
+
++++++
<i>TTTTT</i>









Empty set

q8.
select employee_id, concat(first_name,' ',last_name)as full_name from EMP where employee_id in (select employee_id from EMP where first_name like "%t%");
++
employee_id full_name
++
183 nithin lastname183
+ <i>+</i>
q9.
select employee_id, concat(first_name,' ',last_name)as full_name,commissino_pct as salary from EMP where commissino_pct>(select avg(commissino_pct) from EMP)and exists(select employee_id from EMP where first_name like '%j%');
++
employee_id full_name salary
++
8 jaman lastname8 10.7
+ <i>+</i>
q10.
select employee_id, concat(first_name,' ',last_name)as full_name, job_id as job_title from EMP where commissino_pct <any(select (commissino_pct)="");<="" emp="" from="" job_id="IT_PROG" td="" where=""></any(select>
++
employee id full name job title

'
++
1 sanjiv lastname1 IT_PROG
2 soma lastname2 IT_PROG
3 sri lastname3 AD_PRESS
134 vignesh lastname134 IT_PROG
159 mano lastname159 IT_PROG
++
Q11.
select employee_id, concat(first_name,' ',last_name)as full_name, job_id as job_title from EMP where commissino_pct <any(select (commissino_pct)="")="" and="" emp="" from="" job_id="IT_PROG" job_id<="" where="">"IT_PROG";</any(select>
++
employee_id full_name job_title
++
3 sri lastname3 AD_PRESS
++
012
Q12.
select employee_id, concat(first_name,' ',last_name)as full_name, job_id as job_title from EMP where commissino_pct>all(select (commissino_pct) from EMP where job_id="IT_PROG") and job_id<>"IT_PROG";
++
employee_id full_name job_title
++
8 jaman lastname8 AD_PRESS

EMP.commissino_pct desc;

+----+ | first_name | last_name | salary | department_id | +-----+ | bhoop | lastname9 | 10.8 | 2 | | jaman | lastname8 | 10.7 | 2 | | nithin | lastname183 | 10.6 | 1 |

q15.

select * from EMP inner JOIN DEPT inner JOIN LOCA on EMP.department_id=DEPT.department_id and DEPT.location_id=LOCA.location_id where EMP.commissino_pct in (select commissino_pct from EMP where commissino_pct between (select min(commissino_pct) from EMP) and 2500);

| employee_id | first_name | last_name | email | phone_number | hire_date | job_id | commissino_pct | manager_id | department_id | department_id | department_name | manager_id | location_id | location_id | street_address | postal_code | city | stata_province | country_id |

| 1 | sanjiv | lastname1 | <u>emp1@company.org</u> | 0000000001 | 2023-08-24 | IT_PROG | 10.1 | 1 | 1 | 1 | IT | 1 | 1 | IT_BUILDING | 1 | Trichy | TN | 1 |

| 2 | soma | lastname2 | <u>emp2@company.org</u> | 0000000002 | 2023-08-24 | IT_PROG | 10.2 | 1 | 1 | 1 | IT | 1 | 1 | IT_BUILDING | 1 | Trichy | TN | 1 |

| 3 | sri | lastname3 | <u>emp3@company.org</u> | 0000000003 | 2023-08-24 | AD_PRESS | 10.3 | 2 | 2 | 2 | Administration | 2 | 2 | 2 | ADMIN_BLOCK | 2 | Trichy | TN | 1 |

| 159 | mano | lastname159 | <u>emp1@company.org</u> | 0000000005 | 2023-08-24 | IT_PROG | 10.5 | 1 | 1 | 1 | IT | 1 | 1 | IT_BUILDING | 1 | Trichy | TN | 1 |

| 183 | nithin | lastname183 | <u>emp1@company.org</u> | 0000000006 | 2023-08-24 | IT_PROG | 10.6 | 1 | 1 | 1 | IT | 1 | 1 | IT_BUILDING | 1 | Trichy | TN | 1 |

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