Assignment 2

Create a Database name entri_assignment

Create a Table with name `departments`

```
Department_id (pk)  Department_name  Location_id
```

Create a Table with name `employees`

```
Employee_id  (pk)  ,first_name,last_name ,email,phone_number,hire_date,

job_id, salary, commission_pct, manager_id, department_id (fk
reference
```

```
## Insert into Departments table
 INSERT INTO departments VALUES ( 170 , 'Payroll' , 1700);
```

```
## Insert into Employees table

; INSERT INTO employees VALUES (101, 'Neena' , 'Kochhar' , 'NKOCHHAR'
, '515.123.4568' , '1989-11-21' , 'AD_VP' , 17000 , NULL , 100 , 20);

INSERT INTO employees VALUES (102 , 'Lex' , 'De Haan' , 'LDEHAAN' ,
'515.123.4569' , '1993-09-12' , 'AD_VP' , 17000 , NULL , 100 , 30);

INSERT INTO employees VALUES (104 , 'Bruce' , 'Ernst' , 'BERNST' ,
'590.423.4568' , '1991-05-21',  'IT_PROG' , 6000 , NULL , 103 , 60);
```

```
INSERT INTO employees VALUES (105 , 'David' , 'Austin' , 'DAUSTIN' ,
'590.423.4569' , '1997-06-25',  'IT_PROG' , 4800 , NULL , 103 , 60);

INSERT INTO employees VALUES (106 , 'Valli' , 'Pataballa' ,
'VPATABAL' , '590.423.4560' , '1998-02-05',  'IT_PROG' , 4800 , NULL
, 103 , 40);

INSERT INTO employees VALUES (107 , 'Diana' , 'Lorentz' , 'DLORENTZ'
, '590.423.5567' , '1999-02-09',  'IT_PROG' , 4200 , NULL , 103 ,
40);

INSERT INTO employees VALUES (108 , 'Nancy' , 'Greenberg' ,
'NGREENBE' , '515.124.4569' , '1994-08-17',  'FI_MGR' , 12000 , NULL
, 101 , 100);

INSERT INTO employees VALUES (109 , 'Daniel' , 'Faviet' , 'DFAVIET' ,
'515.124.4169' , '1994-08-12',  'FI_ACCOUNT' , 9000 , NULL , 108 ,
170);

INSERT INTO employees VALUES (110 , 'John' , 'Chen' , 'JCHEN' ,
'515.124.4269' , '1997-04-09',  'FI_ACCOUNT' , 8200 , NULL , 108 ,
170);

INSERT INTO employees VALUES (111 , 'Ismael' , 'Sciarra' , 'ISCIARRA'
, '515.124.4369' , '1997-02-01',  'FI_ACCOUNT' , 7700 , NULL , 108 ,
160);

INSERT INTO employees VALUES (112 , 'Jose Manuel' , 'Urman' ,
'JMURMAN' , '515.124.4469' , '1998-06-03', 'FI_ACCOUNT' , 7800 , NULL
8 , 150);
```

```
INSERT INTO employees VALUES (114 , 'Den' , 'Raphaely' , 'DRAPHEAL' ,
'515.127.4561' , '1994-11-08',  'PU_MAN' , 11000 , NULL , 100 , 30);

INSERT INTO employees VALUES (115 , 'Alexander' , 'Khoo' , 'AKHOO' ,
'515.127.4562' , '1995-05-12',  'PU_CLERK' , 3100 , NULL , 114 , 80);

INSERT INTO employees VALUES (116 , 'Shelli' , 'Baida' , 'SBAIDA' ,
'515.127.4563' ,'1997-12-13', 'PU_CLERK' , 2900 , NULL , 114 , 70);

INSERT INTO employees VALUES (117 , 'Sigal' , 'Tobias' , 'STOBIAS' ,
'515.127.4564' , '1997-09-10', 'PU_CLERK' , 2800 , NULL , 114 , 30);

INSERT INTO employees VALUES (118 , 'Guy' , 'Himuro' , 'GHIMURO' ,
'515.127.4565' , '1998-01-02',  'PU_CLERK' , 2600 , NULL , 114 , 60);

INSERT INTO employees VALUES (119 , 'Karen' , 'Colmenares' ,
'KCOLMENA' , '515.127.4566' , '1999-04-08',  'PU_CLERK' , 2500 , NULL
, 114 , 130);

INSERT INTO employees VALUES (120 , 'Matthew' , 'Weiss' , 'MWEISS' ,
'650.123.1234' ,'1996-07-18',  'ST_MAN' , 8000 , NULL , 100 , 50);

INSERT INTO employees VALUES (122 , 'Payam' , 'Kaufling' , 'PKAUFLIN'
, '650.123.3234' ,'1995-05-01',  'ST_MAN' , 7900 , NULL , 100 , 40);

INSERT INTO employees VALUES (123 , 'Shanta' , 'Vollman' , 'SVOLLMAN'
, '650.123.4234' , '1997-10-12',  'ST_MAN' , 6500 , NULL , 100 , 50);

INSERT INTO employees VALUES (124, 'Kevin' , 'Mourgos' , 'KMOURGOS' ,
'650.123.5234' , '1999-11-12',  'ST_MAN' , 5800 , NULL , 100 , 80);

INSERT INTO employees VALUES (125, 'Julia' , 'Nayer' , 'JNAYER' ,
'650.124.1214' , '1997-07-02',  'ST_CLERK' , 3200 , NULL , 120 , 50);
```

```
INSERT INTO employees VALUES (126, 'Irene' , 'Mikkilineni' ,
'IMIKKILI' , '650.124.1224' , '1998-11-12', 'ST_CLERK' , 2700 , NULL
, 120 , 50);

INSERT INTO employees VALUES (127, 'James' , 'Landry' , 'JLANDRY' ,
'650.124.1334' , '1999-01-02' , 'ST_CLERK' , 2400 , NULL , 120 , 90);

INSERT INTO employees VALUES (128, 'Steven' , 'Markle' , 'SMARKLE' ,
'650.124.1434' , '2000-03-04' , 'ST_CLERK' , 2200 , NULL , 120 , 50);

INSERT INTO employees VALUES (130, 'Mozhe' , 'Atkinson' , 'MATKINSO'
, '650.124.6234' , '1997-10-12' , 'ST_CLERK' , 2800 , NULL , 121 ,
110);
```

Solve SQL Exercises

1. Select employees first name, last name, job_id and salary whose first name starts with alphabet S

```
mysql> select firstname,lastname,job_id,salary from employees where firstname like 'S%';
+-----------+----------+----------+---------+
| firstname | lastname | job_id   | salary  |
+-----------+----------+----------+---------+
| Shelli    | Baida    | PU_CLERK | 2900.00 |
| Sigal     | Tobias   | PU_CLERK | 2800.00 |
| Shanta    | Vollman  | ST_MAN   | 6500.00 |
| Steven    | Markle   | ST_CLERK | 2200.00 |
+-----------+----------+----------+---------+
4 rows in set (0.00 sec)
```

2. Write a query to select employee with the highest salary (using an inner query)

```
mysql> select * from employees where salary = (select max(salary) from employees);
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
| Employee_id | firstname | lastname | email    | phonenumber  | hire_date  | job_id | salary   | commision_pct | manager_id | Department_id |
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
|         101 | Neena     | Kochhar  | NKOCHHAR | 515.123.4568 | 1989-11-21 | AD_VP  | 17000.00 |          NULL |        100 |            20 |
|         102 | Lex       | De Haan  | LDEHAAN  | 515.123.4569 | 1993-09-12 | AD_VP  | 17000.00 |          NULL |        100 |            30 |
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
2 rows in set (0.01 sec)
```

3. Select employee with the second highest salary

```
mysql> select salary from employees order by salary desc limit 1,1;
+-----------+
| salary    |
+-----------+
| 17000.00 |
+-----------+
1 row in set (0.00 sec)
```

4. Write a query to select employees and their corresponding managers and their salaries

```
mysql> select e.employee_id as employeeid,
    -> e.firstname as employeefirstname,
    -> e.lastname as employeelastname,
    -> e.salary as employeesalary,
    -> m.employee_id as managerid,
    -> m.firstname as managerfirstname,
    -> m.lastname as managerlastname,
    -> m.salary as managersalary
    -> from employees e
    -> left join employees m on e.manager_id=m.employee_id;
+------------+-------------------+-----------------+----------------+-----------+-----------------+-----------------+---------------+
| employeeid | employeefirstname | employeelastname | employeesalary | managerid | managerfirstname | managerlastname | managersalary |
+------------+-------------------+-----------------+----------------+-----------+-----------------+-----------------+---------------+
|        101 | Neena             | Kochhar         |       17000.00 |      NULL | NULL            | NULL            |          NULL |
|        102 | Lex               | De Haan         |       17000.00 |      NULL | NULL            | NULL            |          NULL |
|        104 | Bruce             | Ernst           |        6000.00 |      NULL | NULL            | NULL            |          NULL |
|        105 | David             | Austin          |        4800.00 |      NULL | NULL            | NULL            |          NULL |
|        106 | Valli             | Pataballa       |        4800.00 |      NULL | NULL            | NULL            |          NULL |
|        107 | Diana             | Lorentz         |        4200.00 |      NULL | NULL            | NULL            |          NULL |
|        108 | Nancy             | Greenberg       |       12000.00 |       101 | Neena           | Kochhar         |      17000.00 |
|        109 | Daniel            | Faviet          |        9000.00 |       108 | Nancy           | Greenberg       |      12000.00 |
|        110 | John              | Chen            |        8200.00 |       108 | Nancy           | Greenberg       |      12000.00 |
|        111 | Ismael            | Sciarra         |        7700.00 |       108 | Nancy           | Greenberg       |      12000.00 |
|        112 | Jose Manuel       | Urman           |        7800.00 |      NULL | NULL            | NULL            |          NULL |
|        114 | Den               | Raphaely        |       11000.00 |      NULL | NULL            | NULL            |          NULL |
|        115 | Alexander         | Khoo            |        3100.00 |       114 | Den             | Raphaely        |      11000.00 |
|        116 | Shelli            | Baida           |        2900.00 |       114 | Den             | Raphaely        |      11000.00 |
|        117 | Sigal             | Tobias          |        2800.00 |       114 | Den             | Raphaely        |      11000.00 |
|        118 | Guy               | Himuro          |        2600.00 |       114 | Den             | Raphaely        |      11000.00 |
|        119 | Karen             | Colmenares      |        2500.00 |       114 | Den             | Raphaely        |      11000.00 |
|        120 | Matthew           | Weiss           |        8000.00 |      NULL | NULL            | NULL            |          NULL |
|        122 | Payam             | Kaufling        |        7900.00 |      NULL | NULL            | NULL            |          NULL |
|        123 | Shanta            | Vollman         |        6500.00 |      NULL | NULL            | NULL            |          NULL |
|        124 | Kevin             | Mourgos         |        5800.00 |      NULL | NULL            | NULL            |          NULL |
|        125 | Julia             | Nayer           |        3200.00 |       120 | Matthew         | Weiss           |       8000.00 |
|        126 | Irene             | Mikkilineni     |        2700.00 |       120 | Matthew         | Weiss           |       8000.00 |
|        127 | James             | Landry          |        2400.00 |       120 | Matthew         | Weiss           |       8000.00 |
|        128 | Steven            | Markle          |        2200.00 |       120 | Matthew         | Weiss           |       8000.00 |
|        130 | Mozhe             | Atkinson        |        2800.00 |      NULL | NULL            | NULL            |          NULL |
+------------+-------------------+-----------------+----------------+-----------+-----------------+-----------------+---------------+
26 rows in set (0.00 sec)
```

5. Write a query to select employees and their corresponding managers and their salaries (SELF Join)

```
mysql> select e.employee_id as employeeid,
    -> e.firstname as employeefirstname,
    -> e.lastname as employeelastname,
    -> e.salary as employeesalary,
    -> m.employee_id as managerid,
    -> m.firstname as managerfirstname,
    -> m.lastname as managerlastname,
    -> m.salary as managersalary
    -> from employees e
    -> left join employees m on e.manager_id=m.employee_id;
```

employeeid	employeefirstname	employeelastname	employeesalary	managerid	managerfirstname	managerlastname	managersalary
101	Neena	Kochhar	17000.00	NULL	NULL	NULL	NULL
102	Lex	De Haan	17000.00	NULL	NULL	NULL	NULL
104	Bruce	Ernst	6000.00	NULL	NULL	NULL	NULL
105	David	Austin	4800.00	NULL	NULL	NULL	NULL
106	Valli	Pataballa	4800.00	NULL	NULL	NULL	NULL
107	Diana	Lorentz	4200.00	NULL	NULL	NULL	NULL
108	Nancy	Greenberg	12000.00	101	Neena	Kochhar	17000.00
109	Daniel	Faviet	9000.00	108	Nancy	Greenberg	12000.00
110	John	Chen	8200.00	108	Nancy	Greenberg	12000.00
111	Ismael	Sciarra	7700.00	108	Nancy	Greenberg	12000.00
112	Jose Manuel	Urman	7800.00	NULL	NULL	NULL	NULL
114	Den	Raphaely	11000.00	NULL	NULL	NULL	NULL
115	Alexander	Khoo	3100.00	114	Den	Raphaely	11000.00
116	Shelli	Baida	2900.00	114	Den	Raphaely	11000.00
117	Sigal	Tobias	2800.00	114	Den	Raphaely	11000.00
118	Guy	Himuro	2600.00	114	Den	Raphaely	11000.00
119	Karen	Colmenares	2500.00	114	Den	Raphaely	11000.00
120	Matthew	Weiss	8000.00	NULL	NULL	NULL	NULL
122	Payam	Kaufling	7900.00	NULL	NULL	NULL	NULL
123	Shanta	Vollman	6500.00	NULL	NULL	NULL	NULL
124	Kevin	Mourgos	5800.00	NULL	NULL	NULL	NULL
125	Julia	Nayer	3200.00	120	Matthew	Weiss	8000.00
126	Irene	Mikkilineni	2700.00	120	Matthew	Weiss	8000.00
127	James	Landry	2400.00	120	Matthew	Weiss	8000.00
128	Steven	Markle	2200.00	120	Matthew	Weiss	8000.00
130	Mozhe	Atkinson	2800.00	NULL	NULL	NULL	NULL

```
26 rows in set (0.00 sec)
```

6. Create a view for the above query

```
mysql> create view employeemanagersalary as
    -> select e.employee_id as employeeid,
    -> e.firstname as employeefirstname,
    -> e.lastname as employeelastname,
    -> e.salary as employeesalary,
    -> m.employee_id as managerid,
    -> m.firstname as managerfirstname,
    -> m.lastname as managerlastname,
    -> m.salary as managersalary
    -> from employees e
    -> left join employees m on e.manager_id=m.employee_id;
Query OK, 0 rows affected (0.03 sec)

mysql> select * from employeemanagersalary;
```

employeeid	employeefirstname	employeelastname	employeesalary	managerid	managerfirstname	managerlastname	managersalary
101	Neena	Kochhar	17000.00	NULL	NULL	NULL	NULL
102	Lex	De Haan	17000.00	NULL	NULL	NULL	NULL
104	Bruce	Ernst	6000.00	NULL	NULL	NULL	NULL
105	David	Austin	4800.00	NULL	NULL	NULL	NULL
106	Valli	Pataballa	4800.00	NULL	NULL	NULL	NULL
107	Diana	Lorentz	4200.00	NULL	NULL	NULL	NULL
108	Nancy	Greenberg	12000.00	101	Neena	Kochhar	17000.00
109	Daniel	Faviet	9000.00	108	Nancy	Greenberg	12000.00
110	John	Chen	8200.00	108	Nancy	Greenberg	12000.00
111	Ismael	Sciarra	7700.00	108	Nancy	Greenberg	12000.00
112	Jose Manuel	Urman	7800.00	NULL	NULL	NULL	NULL
114	Den	Raphaely	11000.00	NULL	NULL	NULL	NULL
115	Alexander	Khoo	3100.00	114	Den	Raphaely	11000.00
116	Shelli	Baida	2900.00	114	Den	Raphaely	11000.00
117	Sigal	Tobias	2800.00	114	Den	Raphaely	11000.00
118	Guy	Himuro	2600.00	114	Den	Raphaely	11000.00
119	Karen	Colmenares	2500.00	114	Den	Raphaely	11000.00
120	Matthew	Weiss	8000.00	NULL	NULL	NULL	NULL
122	Payam	Kaufling	7900.00	NULL	NULL	NULL	NULL
123	Shanta	Vollman	6500.00	NULL	NULL	NULL	NULL
124	Kevin	Mourgos	5800.00	NULL	NULL	NULL	NULL
125	Julia	Nayer	3200.00	120	Matthew	Weiss	8000.00
126	Irene	Mikkilineni	2700.00	120	Matthew	Weiss	8000.00
127	James	Landry	2400.00	120	Matthew	Weiss	8000.00
128	Steven	Markle	2200.00	120	Matthew	Weiss	8000.00
130	Mozhe	Atkinson	2800.00	NULL	NULL	NULL	NULL

7. Write a query to show the count of employees under each manager in descending order (from view)

```
mysql> select managerid,
    -> managerfirstname,
    -> managerlastname,
    -> count(employeeid) as employeecount
    -> from employeemanagersalary
    -> where managerid is not null
    -> group by managerid, managerfirstname,managerlastname
    -> order by employeecount desc;
+-----------+------------------+-----------------+---------------+
| managerid | managerfirstname | managerlastname | employeecount |
+-----------+------------------+-----------------+---------------+
|       114 | Den              | Raphaely        |             5 |
|       120 | Matthew          | Weiss           |             4 |
|       108 | Nancy            | Greenberg       |             3 |
|       101 | Neena            | Kochhar         |             1 |
+-----------+------------------+-----------------+---------------+
4 rows in set (0.01 sec)
```

8. Find the count of employees in each department

```
mysql> select department_id,count(*) as employee_count from employees group by department_id order by employee_count;
+---------------+---------------+
| department_id | employee_count |
+---------------+---------------+
|            20 |             1 |
|            70 |             1 |
|            90 |             1 |
|           100 |             1 |
|           110 |             1 |
|           130 |             1 |
|           150 |             1 |
|           160 |             1 |
|            80 |             2 |
|           170 |             2 |
|            30 |             3 |
|            40 |             3 |
|            60 |             3 |
|            50 |             5 |
+---------------+---------------+
14 rows in set (0.00 sec)
```

9. Get the count of employees hired year wise

```
mysql> select year(hire_date) as hire_year, count(*) as employee_count from employees group by (hire_date) order by hire_year;
+-----------+----------------+
| hire_year | employee_count |
+-----------+----------------+
|      1989 |              1 |
|      1991 |              1 |
|      1993 |              1 |
|      1994 |              1 |
|      1994 |              1 |
|      1994 |              1 |
|      1995 |              1 |
|      1995 |              1 |
|      1996 |              1 |
|      1997 |              1 |
|      1997 |              1 |
|      1997 |              1 |
|      1997 |              1 |
|      1997 |              1 |
|      1997 |              2 |
|      1997 |              1 |
|      1998 |              1 |
|      1998 |              1 |
|      1998 |              1 |
|      1998 |              1 |
|      1999 |              1 |
|      1999 |              1 |
|      1999 |              1 |
|      1999 |              1 |
|      2000 |              1 |
+-----------+----------------+
25 rows in set (0.01 sec)
```

10 . create a stored procedure to get the " Get the count of employees hired in the input year"(IN year , OUT count)

11.Select the employees whose first_name contains "an"

```
mysql> select * from employees where firstname like'%an%';
+-------------+-------------+-----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
| Employee_id | firstname   | lastname  | email    | phonenumber  | hire_date  | job_id    | salary   | commision_pct | manager_id | Department_id |
+-------------+-------------+-----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
|         107 | Diana       | Lorentz   | DLORENTZ | 590.423.5567 | 1999-02-09 | IT_PROG   |  4200.00 |         NULL |        103 |            40 |
|         108 | Nancy       | Greenberg | NGREENBE | 515.124.4569 | 1994-08-17 | FI_MGR    | 12000.00 |         NULL |        101 |           100 |
|         109 | Daniel      | Faviet    | DFAVIET  | 515.124.4169 | 1994-08-12 | FI_ACCOUNT |  9000.00 |         NULL |        108 |           170 |
|         112 | Jose Manuel | Urman     | JMURMAN  | 515.124.4469 | 1998-06-03 | FI_ACCOUNT |  7800.00 |         NULL |          8 |           150 |
|         115 | Alexander   | Khoo      | AKHOO    | 515.127.4562 | 1995-05-12 | PU_CLERK  |  3100.00 |         NULL |        114 |            80 |
|         123 | Shanta      | Vollman   | SVOLLMAN | 650.123.4234 | 1997-10-12 | ST_MAN    |  6500.00 |         NULL |        100 |            50 |
+-------------+-------------+-----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
6 rows in set (0.00 sec)
```

12. Select employee first name and the corresponding phone number in the format (_ _ _)-(_ _ _)-(_ _ _ _)

13. Find the employees who joined in August, 1994.

```
mysql> select * from employees where year (hire_date)=1994 and month(hire_date) = 8;
+-------------+-----------+----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
| Employee_id | firstname | lastname | email    | phonenumber  | hire_date  | job_id    | salary   | commision_pct | manager_id | Department_id |
+-------------+-----------+----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
|         108 | Nancy     | Greenberg | NGREENBE | 515.124.4569 | 1994-08-17 | FI_MGR    | 12000.00 |         NULL |        101 |           100 |
|         109 | Daniel    | Faviet    | DFAVIET  | 515.124.4169 | 1994-08-12 | FI_ACCOUNT |  9000.00 |         NULL |        108 |           170 |
+-------------+-----------+----------+----------+--------------+------------+-----------+----------+--------------+------------+---------------+
2 rows in set (0.01 sec)
```

14. Find the maximum salary from each department.

```
mysql> select department_id,
    -> max(salary) as max_salary
    -> from employees
    -> group by employee_id;
+---------------+------------+
| department_id | max_salary |
+---------------+------------+
|            20 |   17000.00 |
|            30 |   17000.00 |
|            60 |    6000.00 |
|            60 |    4800.00 |
|            40 |    4800.00 |
|            40 |    4200.00 |
|           100 |   12000.00 |
|           170 |    9000.00 |
|           170 |    8200.00 |
|           160 |    7700.00 |
|           150 |    7800.00 |
|            30 |   11000.00 |
|            80 |    3100.00 |
|            70 |    2900.00 |
|            30 |    2800.00 |
|            60 |    2600.00 |
|           130 |    2500.00 |
|            50 |    8000.00 |
|            40 |    7900.00 |
|            50 |    6500.00 |
|            80 |    5800.00 |
|            50 |    3200.00 |
|            50 |    2700.00 |
|            90 |    2400.00 |
|            50 |    2200.00 |
|           110 |    2800.00 |
+---------------+------------+
26 rows in set (0.01 sec)
```

15.Write a SQL query to display the 5 least earning employees

```
mysql> select * from employees order by salary asc limit 5;
+-------------+-----------+------------+----------+--------------+------------+----------+---------+---------------+------------+---------------+
| Employee_id | firstname | lastname   | email    | phonenumber  | hire_date  | job_id   | salary  | commision_pct | manager_id | Department_id |
+-------------+-----------+------------+----------+--------------+------------+----------+---------+---------------+------------+---------------+
|         128 | Steven    | Markle     | SMARKLE  | 650.124.1434 | 2000-03-04 | ST_CLERK | 2200.00 |          NULL |        120 |            50 |
|         127 | James     | Landry     | JLANDRY  | 650.124.1334 | 1999-01-02 | ST_CLERK | 2400.00 |          NULL |        120 |            90 |
|         119 | Karen     | Colmenares | KCOLMENA | 515.127.4566 | 1999-04-08 | PU_CLERK | 2500.00 |          NULL |        114 |           130 |
|         118 | Guy       | Himuro     | GHIMURO  | 515.127.4565 | 1998-01-02 | PU_CLERK | 2600.00 |          NULL |        114 |            60 |
|         126 | Irene     | Mikkilineni | IMIKKILI | 650.124.1224 | 1998-11-12 | ST_CLERK | 2700.00 |          NULL |        120 |            50 |
+-------------+-----------+------------+----------+--------------+------------+----------+---------+---------------+------------+---------------+
5 rows in set (0.00 sec)
```

16. Find the employees hired in the 80s

```
mysql> select * from employees where year (hire_date)>=1980 and year(hire_date)<=1990;
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
| Employee_id | firstname | lastname | email    | phonenumber  | hire_date  | job_id | salary   | commision_pct | manager_id | Department_id |
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
|         101 | Neena     | Kochhar  | NKOCHHAR | 515.123.4568 | 1989-11-21 | AD_VP  | 17000.00 |          NULL |        100 |            20 |
+-------------+-----------+----------+----------+--------------+------------+--------+----------+---------------+------------+---------------+
1 row in set (0.00 sec)
```

17. Find the employees who joined the company after 15th of the month

```
mysql> select * from employees where day(hire_date)>15;
+-------------+-----------+-----------+----------+--------------+------------+---------+----------+---------------+------------+---------------+
| Employee_id | firstname | lastname  | email    | phonenumber  | hire_date  | job_id  | salary   | commision_pct | manager_id | Department_id |
+-------------+-----------+-----------+----------+--------------+------------+---------+----------+---------------+------------+---------------+
|         101 | Neena     | Kochhar   | NKOCHHAR | 515.123.4568 | 1989-11-21 | AD_VP   | 17000.00 |          NULL |        100 |            20 |
|         104 | Bruce     | Ernst     | BERNST   | 590.423.4568 | 1991-05-21 | IT_PROG |  6000.00 |          NULL |        103 |            60 |
|         105 | David     | Austin    | DAUSTIN  | 590.423.4569 | 1997-06-25 | IT_PROG |  4800.00 |          NULL |        103 |            60 |
|         108 | Nancy     | Greenberg | NGREENBE | 515.124.4569 | 1994-08-17 | FI_MGR  | 12000.00 |          NULL |        101 |           100 |
|         120 | Matthew   | Weiss     | MWEISS   | 650.123.1234 | 1996-07-18 | ST_MAN  |  8000.00 |          NULL |        100 |            50 |
+-------------+-----------+-----------+----------+--------------+------------+---------+----------+---------------+------------+---------------+
5 rows in set (0.00 sec)
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