Assignment 1

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
```

```
1 •
       CREATE DATABASE entri_assignment;
2 •
       USE entri_assignment;
3 • ⊖ CREATE TABLE departments (
           Department id INT PRIMARY KEY,
           Department_name VARCHAR(255),
5
           Location id INT
6
     ٠);
8 • ⊝ CREATE TABLE employees (
           Employee_id INT PRIMARY KEY,
9
10
           First name VARCHAR(255),
           Last name VARCHAR(255),
11
           Email VARCHAR(255),
12
           Phone_number VARCHAR(20),
13
14
           Hire date DATE,
           Job_id VARCHAR(10),
15
           Salary DECIMAL(10, 2),
16
           Commission_pct DECIMAL(4, 2),
17
18
           Manager_id INT,
           Department_id INT,
19
           FOREIGN KEY (Department_id) REFERENCES departments(Department_id)
```

```
## Insert into Departments table
INSERT INTO departments VALUES ( 20, 'Marketing', 180);
INSERT INTO departments VALUES ( 30, 'Purchasing', 1700);
INSERT INTO departments VALUES ( 40, 'Human Resources', 2400);
INSERT INTO departments VALUES (50, 'Shipping', 1500);
INSERT INTO departments VALUES ( 60 , 'IT', 1400);
INSERT INTO departments VALUES ( 70, 'Public Relations', 2700);
INSERT INTO departments VALUES ( 80 , 'Sales', 2500 );
INSERT INTO departments VALUES ( 90 , 'Executive', 1700);
INSERT INTO departments VALUES ( 100 , 'Finance', 1700);
INSERT INTO departments VALUES ( 110 , 'Accounting', 1700);
INSERT INTO departments VALUES ( 120 , 'Treasury' , 1700);
INSERT INTO departments VALUES ( 130 , 'Corporate Tax' , 1700 );
INSERT INTO departments VALUES ( 140, 'Control And Credit' , 1700);
INSERT INTO departments VALUES ( 150 , 'Shareholder Services',
1700);
INSERT INTO departments VALUES ( 160 , 'Benefits', 1700);
INSERT INTO departments VALUES ( 170 , 'Payroll' , 1700);
```

```
22 •
       INSERT INTO departments VALUES ( 20, 'Marketing', 180);
23 •
       INSERT INTO departments VALUES ( 30, 'Purchasing', 1700);
24 •
       INSERT INTO departments VALUES ( 40, 'Human Resources', 2400);
25 •
       INSERT INTO departments VALUES ( 50, 'Shipping', 1500);
       INSERT INTO departments VALUES ( 60, 'IT', 1400);
26 •
27 •
       INSERT INTO departments VALUES ( 70, 'Public Relations', 2700);
       INSERT INTO departments VALUES ( 80, 'Sales', 2500 );
28 •
29 •
       INSERT INTO departments VALUES ( 90, 'Executive', 1700);
30 •
       INSERT INTO departments VALUES ( 100, 'Finance', 1700);
       INSERT INTO departments VALUES ( 110, 'Accounting', 1700);
31 •
       INSERT INTO departments VALUES ( 120, 'Treasury', 1700);
32 •
       INSERT INTO departments VALUES ( 130, 'Corporate Tax', 1700 );
33 •
34 •
       INSERT INTO departments VALUES ( 140, 'Control And Credit', 1700);
       INSERT INTO departments VALUES ( 150, 'Shareholder Services', 1700);
35
       INSERT INTO departments VALUES ( 160, 'Benefits', 1700);
36 •
37 •
      INSERT INTO departments VALUES ( 170, 'Payroll', 1700);
```

employees table

```
INSERT INTO employees VALUES (100, 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD_PRES', 24000, NULL, NULL, 20);

Insertinto 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);
```

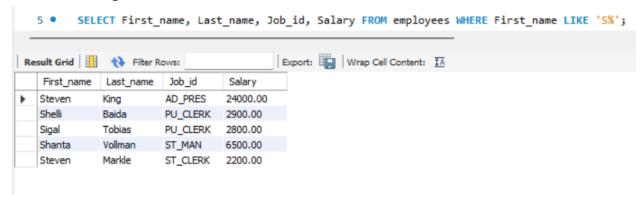
```
INSERT INTO employees VALUES (106 , 'Valli' , 'Pataballa' ,
'VPATABAL' , '590.423.4560' , '1998-02-05', 'IT PROG' , 4800 , NULL
, 103 , 40);
INSERT INTO employees VALUES (107 , 'Diana' , 'Lorentz' , 'DLORENTZ'
, '590.423.5567' , '1999-02-09', 'IT PROG' , 4200 , NULL , 103 ,
40);
INSERT INTO employees 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);
```

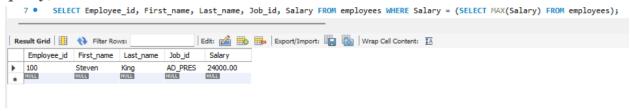
```
INSERT INTO employees VALUES (127, 'James', 'Landry', 'JLANDRY',
'650.124.1334' , '1999-01-02' , 'ST CLERK' , 2400 , NULL , 120 , 90);
INSERT INTO employees VALUES (128, 'Steven', 'Markle', 'SMARKLE',
'650.124.1434' , '2000-03-04' , 'ST CLERK' , 2200 , NULL , 120 , 50);
INSERT INTO employees VALUES (130, 'Mozhe', 'Atkinson', 'MATKINSO'
, '650.124.6234' , '1997-10-12' , 'ST CLERK' , 2800 , NULL , 121 ,
110);
 39 • INSERT INTO employees VALUES (100, 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD_PRES', 24000, NULL, NULL, 20);
       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);
 42 • INSERT INTO employees VALUES (104 , 'Bruce' , 'Ernst' , 'BERNST' , '590.423.4568' , '1991-05-21', 'IT_PROG' , 6000 , NULL , 103 , 60);
 43 • INSERT INTO employees VALUES (105 , 'David' , 'Austin' , 'DAUSTIN' , '590.423.4569' , '1997-06-25', 'IT_PROG' , 4800 , NULL , 103 , 60);
 44 • INSERT INTO employees VALUES (106 , 'Valli' , 'Pataballa' , 'VPATABAL' , '590.423.4560' , '1998-02-05', 'IT_PROG' , 4800 , NULL , 103 ,
 45
       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_NGR' , 12000 , NULL , 101 ,
       INSERT INTO employees VALUES (109 , 'Daniel' , 'Faviet' , 'DFAVIET' , '515.124.4169' , '1994-08-12', 'FI_ACCOUNT' , 9000 , NULL , 108 ,
 48 • INSERT INTO employees VALUES (110 , 'John' , 'Chen' , 'JCHEN' , '515.124.4269' , '1997-04-09', 'FI_ACCOUNT' , 8200 , NULL , 108 , 170);
 49 • INSERT INTO employees VALUES (111 , 'Ismael' , 'Sciarra' , 'ISCIARRA' , '515.124.4369' , '1997-02-01', 'FI_ACCOUNT' , 7700 , NULL, 108,
 50 •
       INSERT INTO employees VALUES (112 , 'Jose Manuel' , 'Urman' , 'JMURMAN' , '515.124.4469' , '1998-06-03', 'FI_ACCOUNT' , 7800 , NULL, 108,
       INSERT INTO employees VALUES (114 , 'Den' , 'Raphaely' , 'DRAPHEAL' , '515.127.4561' , '1994-11-08', 'PU_MAN' , 11000 , NULL , 100 , 30)
 51 •
       INSERT INTO employees VALUES (115 , 'Alexander' , 'Khoo' , 'AKHOO' , '515.127.4562' , '1995-05-12', 'PU_CLERK' , 3100 , NULL , 114 , 80)
 52 •
 53 • INSERT INTO employees VALUES (116 , 'Shelli' , 'Baida' , 'SBAIDA' , '515.127.4563' ,'1997-12-13', 'PU_CLERK' , 2900 , NULL , 114 , 70);
 54 • INSERT INTO employees VALUES (117, 'Sigal', 'Tobias', 'STOBIAS', '515.127.4564', '1997-09-10', 'PU_CLERK', 2800, NULL, 114, 30);
 55 • 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
 56 •
       INSERT INTO employees VALUES (120 , 'Matthew' , 'Weiss' , 'MMEISS' , '650.123.1234' ,'1996-07-18', 'ST_NAN' , 8000 , NULL , 100 , 50);
 58 • INSERT INTO employees VALUES (122 , 'Payam' , 'Kaufling' , 'PKAUFLIN' , '650.123.3234' ,'1995-05-01', 'ST_MAN' , 7900 , NULL , 100 , 40)
 59 • INSERT INTO employees VALUES (123 , 'Shanta' , 'Vollman' , 'SVOLLMAN' , '650.123.4234' , '1997-10-12', 'ST_MAN' , 6500 , NULL , 100 , 50
 60 • 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);
 61 •
       INSERT INTO employees VALUES (126, 'Irene', 'Mikkilineni', 'IMIKKILI', '650.124.1224', '1998-11-12', 'ST_CLERK', 2700, NULL, 120,
 63 • INSERT INTO employees VALUES (127, 'James' , 'Landry' , 'JLANDRY' , '650.124.1334' , '1999-01-02' , 'ST_CLERK' , 2400 , NULL , 120 , 90);
 64 • INSERT INTO employees VALUES (128, 'Steven', 'Markle', 'SMARKLE', '650.124.1434', '2000-03-04', 'ST CLERK', 2200, NULL, 120, 50)
 65 • INSERT INTO employees VALUES (130, 'Mozhe' , 'Atkinson' , 'MATKINSO' , '650.124.6234' , '1997-10-12' , 'ST_CLERK' , 2800 , NULL , 121 , 1
```

Solve SOL Exercises

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



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



3. Select employee with the second highest salary

```
SELECT First_name, Last_name, Job_id, Salary FROM employees WHERE First_name LIKE 'S%';
       SELECT Employee_id, First_name, Last_name, Job_id, Salary FROM employees WHERE Salary = (SELECT MAX(Salary) FROM employees);
      SELECT Employee_id, First_name, Last_name, Job_id, Salary FROM employees
 10
       WHERE Salary = (SELECT MAX(Salary) FROM employees));
11
 12
                                   | Edit: 🕍 🖶 | Export/Import: 📳 🐻 | Wrap Cell Content: 🖽
Employee_id First_name Last_name Job_id Salary
 101
           Neena
                    Kochhar
                             AD_VP 17000.00
                            AD_VP 17000.00
                    De Haan
                    NULL
```

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

-> e -> e -> e -> m -> m -> m -> m -> m -> LEFT JOI	IN employees m ON e.Mar	ee_First_Name, e_Last_Name, alary, er_ID, r_First_Name, _Last_Name, lary ager_id = m.Employee,	+				
Employee_ID	Employee_First_Name	Employee_Last_Name	Employee_Salary	Manager_ID	Manager_First_Name	Manager_Last_Name	Manager_Salary
100	Steven	King	24000.00	NULL	NULL	NULL	NULL
101	Neena	Kochhar	17000.00	100	Steven	King	24000.00
102	Lex	De Haan	17000.00	100	Steven	King	24000.00
104	Bruce	Ernst	6000.00		NULL	NULĹ I	NULL
105	David	Austin	4800.00	NULL		NULL	NULL
106	Valli	Pataballa	4800.00	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	108	Nancy	Greenberg	12000.00
114	Den	Raphaely	11000.00	100	Steven	King	24000.00
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	100	Steven	King	24000.00
122	Payam	Kaufling	7900.00	100	Steven	King	24000.00
123	Shanta	Vollman	6500.00	100	Steven	King	24000.00
124	Kevin	Mourgos	5800.00	100	Steven	King	24000.00
125	Julia	Naver	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	I NULL	NULL

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

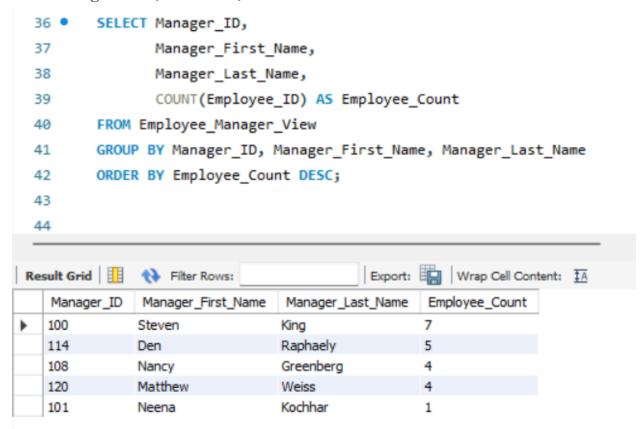
-> e -> m	. First_name AS Employe .Last_name AS Employee_S: .Salary AS Employee_S: .Employee_id AS Manage: .First_name AS Manager .Last_name AS Manager .Salary AS Manager_Sal loyees e ployees m ON e.Manager_	e_Last_Name, klary, er_ID, r_First_Name, Last_Name, Lary					
mployee_ID	Employee_First_Name	Employee_Last_Name	Employee_Salary	Manager_ID	Manager_First_Name	Manager_Last_Name	Manager_Salar
101 i	Neena	Kochhar	17000.00	100	Steven	Kina	24000.0
102 İ	Lex	De Haan	17000.00	100	Steven	King	24000.6
108 İ	Nancy	Greenberg	12000.00	101	Neena	Kochhar	17000.0
109 İ	Daniel	Faviet	9000.00	108	Nancy	Greenberg	12000.
110	John	Chen	8200.00	108	Nancy	Greenberg	12000.
111 İ	Ismael	Sciarra	7700.00	108	Nancy	Greenberg	12000.
112	Jose Manuel	Urman	7800.00	108	Nancy	Greenberg	12000.
114 İ	Den	Raphaelv	11000.00	100	Steven	King	24000.
115	Alexander	Khoo	3100.00	114	Den	Raphaely	11000.
116	Shelli	Baida	2900.00	114	Den	Raphaely	11000.
117	Sigal	Tobias	2800.00	114	Den	Raphaely	11000.
118 İ	Guv	Himuro	2600.00	114	Den	Raphaelv	11000.
119	Karen	Colmenares	2500.00	114	Den	Raphaely	11000.
120 İ	Matthew	Weiss	8000.00	100	Steven	King	24000.
122	Payam	Kaufling	7900.00	100	Steven	King	24000.
123	Shanta	Vollman	6500.00	100	Steven	King	24000.
124	Kevin	Mourgos	5800.00	100	Steven	King	24000.
125	Julia	Nayer	3200.00	120	Matthew	Weiss	8000.
126	Irene	Mikkilineni	2700.00	120	Matthew	Weiss	8000.
	James	Landry	2400.00	120	Matthew	Weiss	8000.
127							

6. Create a view for the above query

```
CREATE VIEW Employee Manager View AS
       SELECT e.Employee id AS Employee ID,
25
              e.First_name AS Employee_First_Name,
26
              e.Last name AS Employee Last Name,
27
              e.Salary AS Employee_Salary,
28
              m.Employee_id AS Manager_ID,
29
              m.First name AS Manager First Name,
30
              m.Last_name AS Manager_Last_Name,
31
              m.Salary AS Manager Salary
32
       FROM employees e
33
       JOIN employees m ON e.Manager id = m.Employee id;
34
```

mployee_ID	Employee_First_Name	Employee_Last_Name	Employee_Salary	Manager_ID	Manager_First_Name	Manager_Last_Name	Manager_Salar
101	Neena	Kochhar	17000.00	100	Steven	King	24000.0
102	Lex	De Haan	17000.00	100	Steven	King	24000.6
108	Nancy	Greenberg	12000.00	101	Neena	Kochhar	17000.0
109	Daniel	Faviet	9000.00	108	Nancy	Greenberg	12000.0
110	John	Chen	8200.00	108	Nancy	Greenberg	12000.0
111	Ismael	Sciarra	7700.00	108	Nancy	Greenberg	12000.0
112	Jose Manuel	Urman	7800.00	108	Nancy	Greenberg	12000.0
114	Den	Raphaely	11000.00	100	Steven	King	24000.0
115	Alexander	Khoo	3100.00	114	Den	Raphaely	11000.0
116	Shelli	Baida	2900.00	114	Den	Raphaely	11000.0
117	Sigal	Tobias	2800.00	114	Den	Raphaely	11000.0
118	Guy	Himuro	2600.00	114	Den	Raphaely	11000.0
119	Karen	Colmenares	2500.00	114	Den	Raphaely	11000.0
120	Matthew	Weiss	8000.00	100	Steven	King	24000.0
122	Payam	Kaufling	7900.00	100	Steven	King	24000.0
123	Shanta	Vollman	6500.00	100	Steven	King	24000.0
124	Kevin	Mourgos	5800.00	100	Steven	King	24000.0
125	Julia	Nayer	3200.00	120	Matthew	Weiss	8000.0
126	Irene	Mikkilineni	2700.00	120	Matthew	Weiss	8000.0
127	James	Landry	2400.00	120	Matthew	Weiss	8000.0
128	Steven	Markle	2200.00	120	Matthew	Weiss	8000.0

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



8. Find the count of employees in each department

2

1

1

1

2

80

90

100

110

120

130

140

150

160 170 Sales

Executive

Accounting

Corporate Tax

Control And Credit 0 Shareholder Servi... 1

Treasury

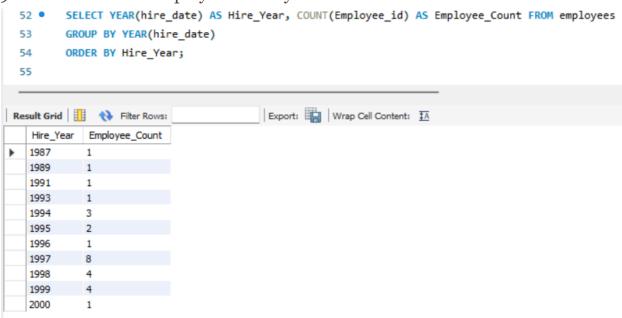
Benefits

Payroll

Finance

```
SELECT d.Department_id, d.Department_name, COUNT(e.Employee_id) AS Employee_Count
47
        FROM departments d
        LEFT JOIN employees e ON d.Department_id = e.Department_id
48
        GROUP BY d.Department_id, d.Department_name;
49
50
51
                                        Export: Wrap Cell Content: 1A
Department_id
               Department_name
                               Employee_Count
                              2
               Marketing
               Purchasing
  30
                              3
  40
               Human Resources
                              3
  50
               Shipping
  60
                              3
               Π
  70
               Public Relations
```

9. Get the count of employees hired year wise



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

```
59 • ○ CREATE PROCEDURE EmployeeCountByYear(
            IN input_year INT,
 60
            OUT employee count INT
 61
 62
        )

→ BEGIN

 63
            SELECT COUNT(*) INTO employee_count
 64
            FROM employees
 65
            WHERE YEAR(hire_date) = input_year;
 66
       - END //
 67
 68
 69
        DELIMITER;
 70
        CALL EmployeeCountByYear(1994, @count);
 71 •
        SELECT @count AS Employees_Count_1994;
 72 •
 73
Result Grid
             Filter Rows:
                                         Export:
   Employees_Count_1994
  3
```

11. Select the employees whose first_name contains "an"

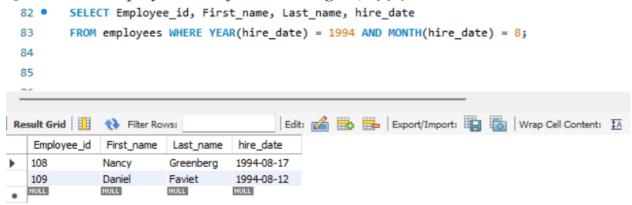
75 • SELECT Employee_id, First_name, Last_name, Job_id, Salary
76 FROM employees WHERE First_name LIKE '%an%';

	-			_			
-							-
Re	sult Grid	♦ Filter Row	5:	Edit:	<u> </u>	Export/Import:	
	Employee_id	First_name	Last_name	Job_id	Salary		
•	107	Diana	Lorentz	IT_PROG	4200.00		
	108	Nancy	Greenberg	FI_MGR	12000.00		
	109	Daniel	Faviet	FI_ACCOUNT	9000.00		
	112	Jose Manuel	Urman	FI_ACCOUNT	7800.00		
	115	Alexander	Khoo	PU_CLERK	3100.00		
	123	Shanta	Vollman	ST_MAN	6500.00		
	NULL	NULL	NULL	NULL	NULL		

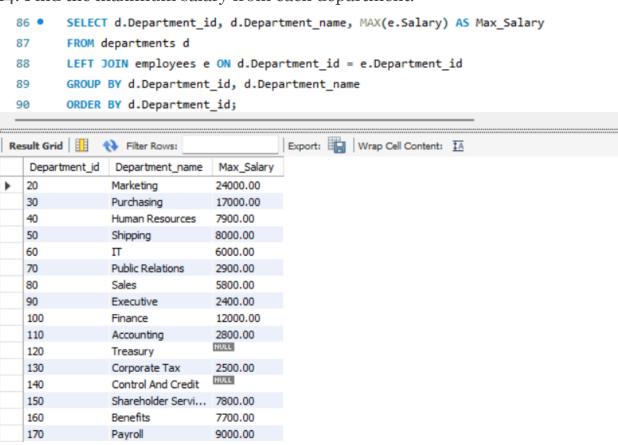
12. Select employee first name and the corresponding phone number in the format (_ _ _)-(_ _ _)-(_ _ _)

```
mysql> SELECT First_name, Phone_number FROM employees;
                Phone_number
  First_name
  Steven
                 515.123.4567
                 515.123.4568
  Neena
                515.123.4569
  Lex
  Bruce
                590.423.4568
  David
                590.423.4569
  Valli
                590.423.4560
  Diana
                590.423.5567
 Nancy
                515.124.4569
  Daniel
                515.124.4169
 John
                 515.124.4269
  Ismael
                515.124.4369
 Jose Manuel
                515.124.4469
                 515.127.4561
  Den
 Alexander
                 515.127.4562
  Shelli
                 515.127.4563
 Sigal
                 515.127.4564
 Guy
                 515.127.4565
  Karen
                 515.127.4566
  Matthew
                 650.123.1234
                 650.123.3234
 Payam
  Shanta
                 650.123.4234
 Kevin
                 650.123.5234
  Julia
                650.124.1214
 Irene
                650.124.1224
  James
                650.124.1334
  Steven
                650.124.1434
  Mozhe
                 650.124.6234
```

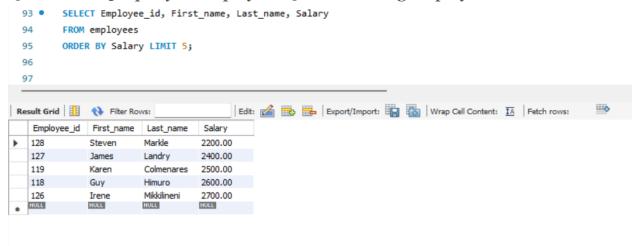
13. Find the employees who joined in August, 1994.



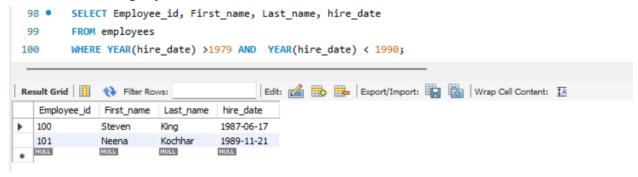
14. Find the maximum salary from each department.



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



16. Find the employees hired in the 80s



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

