**Assignment 1**

**Create a Database name entri_assignment**

CREATE DATABASE entri_assignment;

**Create a Table with name `departments`**
**`Department_id  (pk) Department_name Location_id+`**

```
CREATE TABLE departments(

    department_id INT NOT NULL auto_increment,

   department_name VARCHAR(100) NOT NULL,

   location_id INT NOT NULL,

   PRIMARY KEY(department_id)

);
```

**Create a Table with name `employees`**
**`Employee_id  (pk)  ,first_name,last_name  ,email,phone_number,hire_date,`**

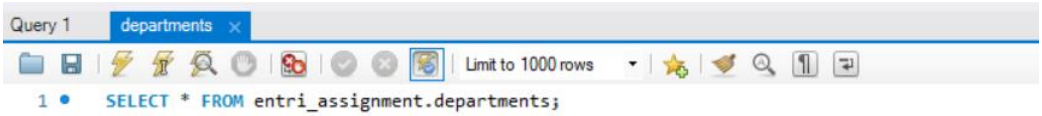
**`job_id, salary, commission_pct, manager_id, department_id (fk reference`**

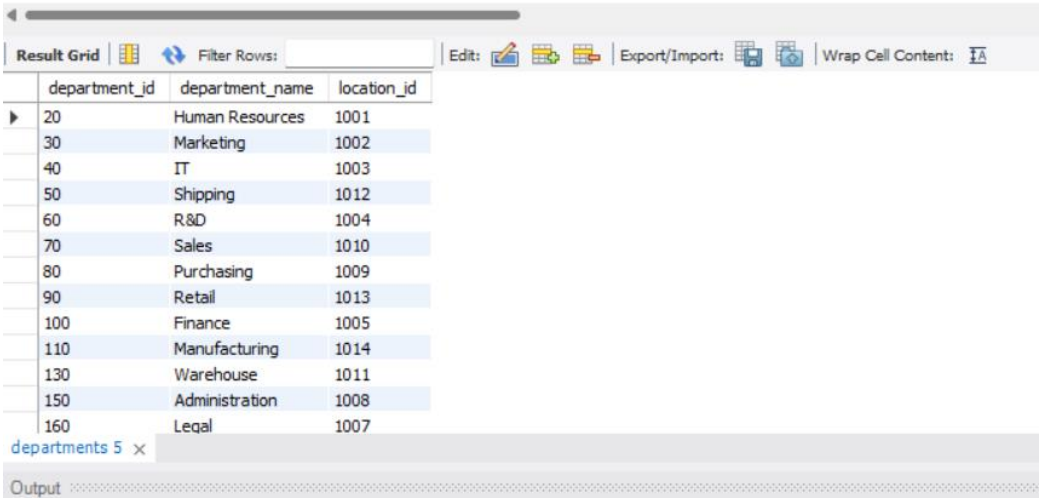
```
CREATE TABLE employees(
    Employee_id INT NOT NULL auto_increment,
    first_name VARCHAR(50) NOT NULL,
    last_name VARCHAR(50) NOT NULL,
    email VARCHAR(100) NOT NULL,
    phone_number VARCHAR(100) NOT NULL,
    hire_date  DATE NOT NULL,
    job_id VARCHAR(20) NOT NULL,
    salary DECIMAL(10,2) NOT NULL,
    commision_pct DECIMAL(5,2),
```

```
    manager_id INT,
    department_id INT,
    PRIMARY KEY(Employee_id),
    FOREIGN KEY (department_id) REFERENCES departments(department_id)
);
```

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

```
INSERT INTO departments VALUES(20, 'Human Resources', 1001),(30, 'Marketing', 1002),(40, 'IT', 1003),(60, 'R&D', 1004),(100, 'Finance', 1005),(170, 'Accounting', 1006),(160, 'Legal', 1007),(150, 'Administration', 1008),(80, 'Purchasing', 1009),(70, 'Sales', 1010),(130, 'Warehouse', 1011),(50, 'Shipping', 1012),(90, 'Retail', 1013),(110, 'Manufacturing', 1014);
```



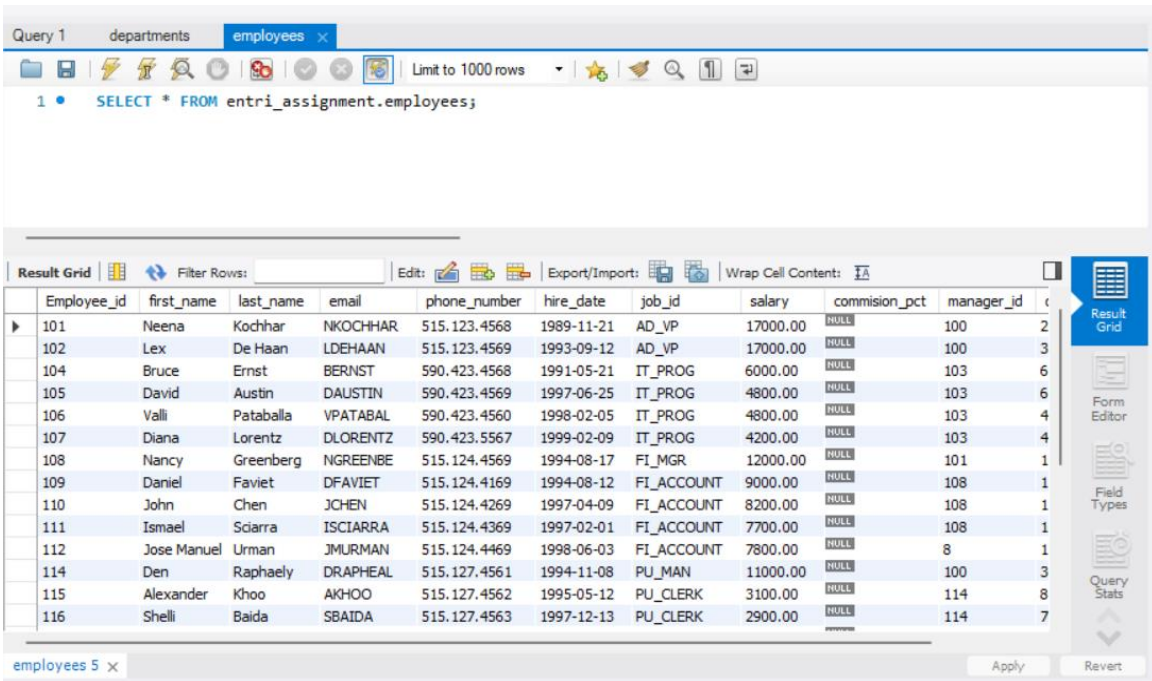
**employees table**

**; INSERT INTO employees V**

```
## 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);
```

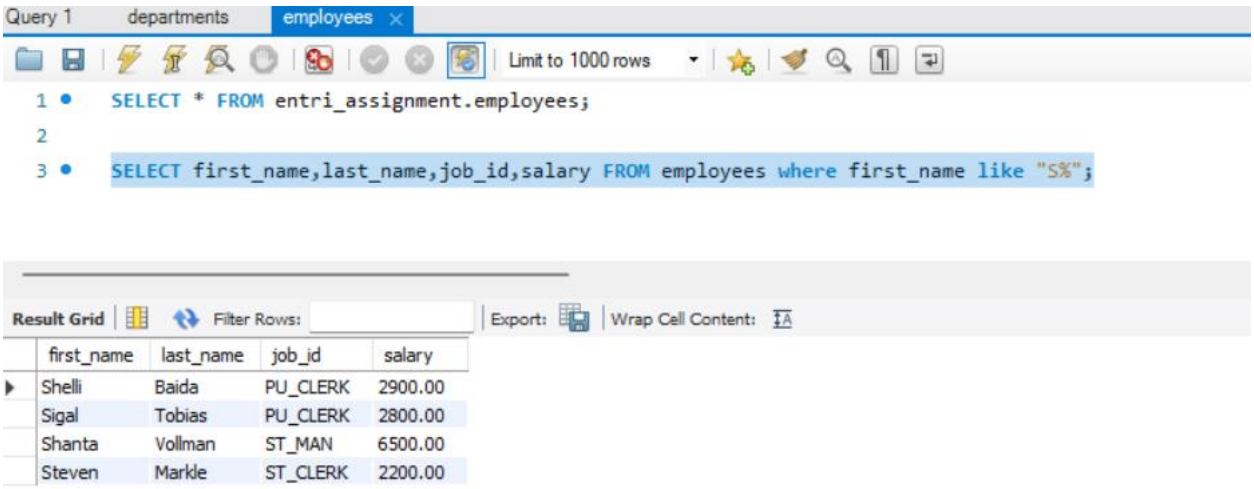



| Employee_id | first_name | last_name | email | phone_number | hire_date | job_id | salary | commision_pct | manager_id |
|---|---|---|---|---|---|---|---|---|---|
| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1989-11-21 | AD_VP | 17000.00 | NULL | 100 |
| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1993-09-12 | AD_VP | 17000.00 | NULL | 100 |
| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1991-05-21 | IT_PROG | 6000.00 | NULL | 103 |
| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1997-06-25 | IT_PROG | 4800.00 | NULL | 103 |
| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1998-02-05 | IT_PROG | 4800.00 | NULL | 103 |
| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1999-02-09 | IT_PROG | 4200.00 | NULL | 103 |
| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1994-08-17 | FI_MGR | 12000.00 | NULL | 101 |
| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1994-08-12 | FI_ACCOUNT | 9000.00 | NULL | 108 |
| 110 | John | Chen | JCHEN | 515.124.4269 | 1997-04-09 | FI_ACCOUNT | 8200.00 | NULL | 108 |
| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1997-02-01 | FI_ACCOUNT | 7700.00 | NULL | 108 |
| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1998-06-03 | FI_ACCOUNT | 7800.00 | NULL | 8 |
| 114 | Den | Raphaely | DRAPHEAL | 515.127.4561 | 1994-11-08 | PU_MAN | 11000.00 | NULL | 100 |
| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1995-05-12 | PU_CLERK | 3100.00 | NULL | 114 |
| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1997-12-13 | PU_CLERK | 2900.00 | NULL | 114 |

Solve SQL Exercises

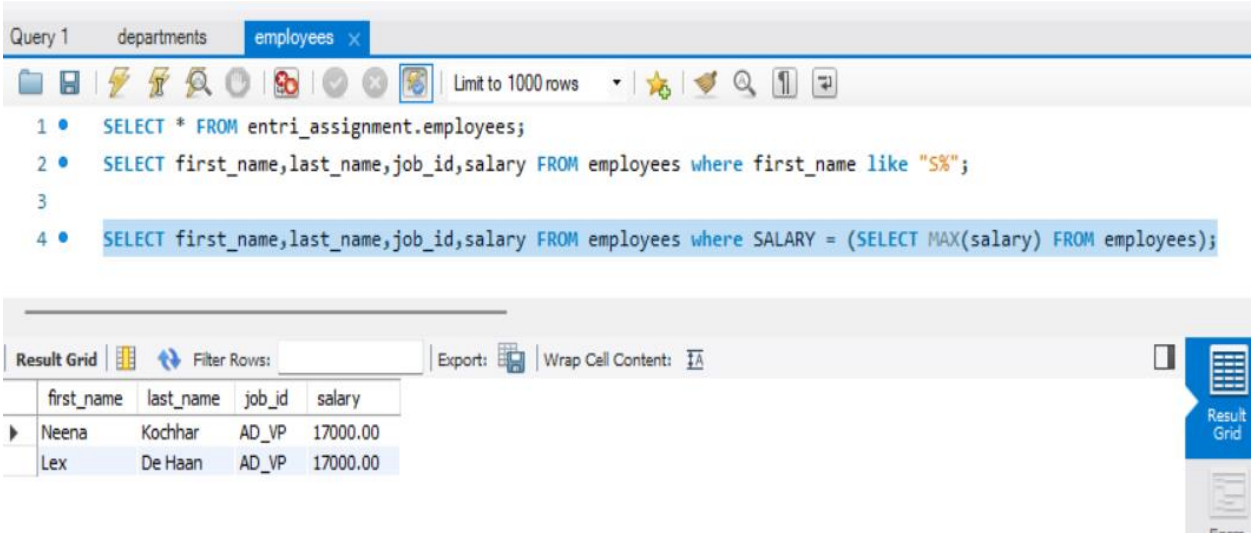
## 1. **Select employees first name, last name, job_id and salary whose first name starts with alphabet S**

SELECT first_name,last_name,job_id,salary FROM employees where first_name like "S%";



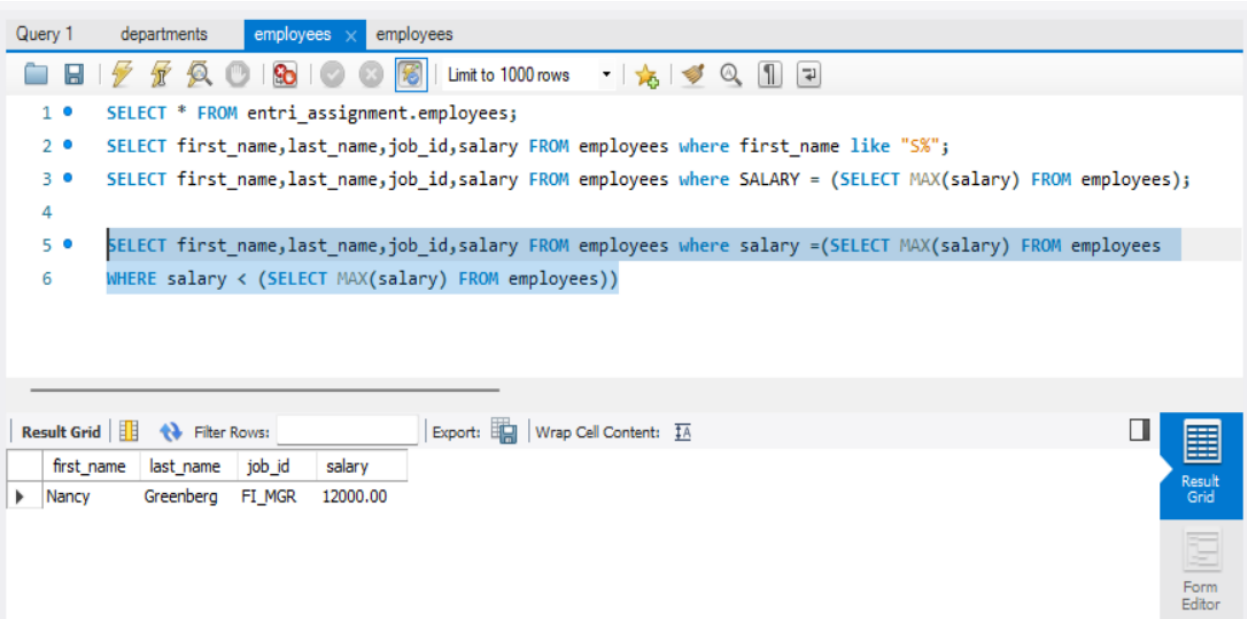
## 2. **Write a query to select employee with the highest salary (using an inner query)**

SELECT first_name,last_name,job_id,salary FROM employees where SALARY = (SELECT MAX(salary) FROM employees);



## 3. Select employee with the second highest salary

SELECT first_name,last_name,job_id,salary FROM employees where salary =(SELECT MAX(salary) FROM employees WHERE salary < (SELECT MAX(salary) FROM employees))



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

SELECT e.employee_id AS employee_id ,e.first_name AS employee_first_name,e.last_name AS employee_last_name,e.salary as employee_salary,m.employee_id AS manager_id,m.first_name as manager_first_name,m.last_name AS manager_last_name,m.salary AS manager_salary FROM employees e LEFT JOIN employees m ON e.manager_id = m.employee_id;

Query 1 | departments | employees | employees

Limit to 1000 rows

```
SELECT e.employee_id AS employee_id ,e.first_name AS employee_first_name,e.last_name AS
employee_last_name,e.salary as employee_salary,m.employee_id AS manager_id,
m.first_name as manager_first_name,m.last_name AS manager_last_name,m.salary AS manager_salary
FROM employees e LEFT JOIN employees m ON e.manager_id = m.employee_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| employee_id | employee_first_name | employee_last_name | employee_salary | manager_id | manager_first_name | manager_last_name | manager_salary |
|---|---|---|---|---|---|---|---|
| 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 |

Result 12

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

SELECT e.employee_id AS employee_id ,e.first_name AS employee_first_name,e.last_name AS employee_last_name,e.salary as employee_salary,m.employee_id AS manager_id,m.first_name as manager_first_name,m.last_name AS manager_last_name,m.salary AS manager_salary FROM employees e JOIN employees m ON e.manager_id = m.employee_id;

Query 1 departments employees employees

Limit to 1000 rows

```
SELECT e.employee_id AS employee_id ,e.first_name AS employee_first_name,e.last_name AS
employee_last_name,e.salary as employee_salary,m.employee_id AS manager_id,
m.first_name as manager_first_name,m.last_name AS manager_last_name,m.salary AS manager_salary
FROM employees e JOIN employees m ON e.manager_id = m.employee_id;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

| employee_id | employee_first_name | employee_last_name | employee_salary | manager_id | manager_first_name | manager_last_name | manager_salary |
|---|---|---|---|---|---|---|---|
| 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 |
| 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 |
| 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 |

## 6. Create a view for the above query

CREATE VIEW employee_manager_salaries AS SELECT e.employee_id AS employee_id,e.first_name AS employee_firts_name, e.last_name AS employee_last_name,e.salary AS employee_salary,m.employee_id AS manager_id,m.first_name AS manager_first_name,m.last_name AS manager_last_name,m.salary AS manager_salary FROM employees e JOIN employees m ON e.manager_id = m.employee_id;

SELECT * FROM employee_manager_salaries;

Query 1 | departments | employees | employees

Limit to 1000 rows

```
CREATE VIEW employee_manager_salaries AS
SELECT e.employee_id AS employee_id,e.first_name AS employee_firts_name, e.last_name AS employee_last_name,
e.salary AS employee_salary,m.employee_id AS manager_id,m.first_name AS manager_first_name,m.last_name AS
manager_last_name,m.salary AS manager_salary FROM employees e JOIN employees m ON e.manager_id = m.employee_id;

SELECT * FROM employee_manager_salaries;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| employee_id | employee_firts_name | employee_last_name | employee_salary | manager_id | manager_first_name | manager_last_name | manager_salary |
|---|---|---|---|---|---|---|---|
| 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 |
| 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 |
| 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 |

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

SELECT manager_id,manager_first_name,manager_last_name ,COUNT(employee_id) AS number_of_employees FROM employee_manager_salaries

GROUP BY manager_id

ORDER BY number_of_employees DESC

Query 1 departments employees employees

Limit to 1000 rows

```
SELECT manager_id,manager_first_name,manager_last_name ,COUNT(employee_id) AS number_of_employees
FROM  employee_manager_salaries
GROUP BY manager_id
ORDER BY number_of_employees DESC
```

Result Grid Filter Rows: Export: Wrap Cell Content:

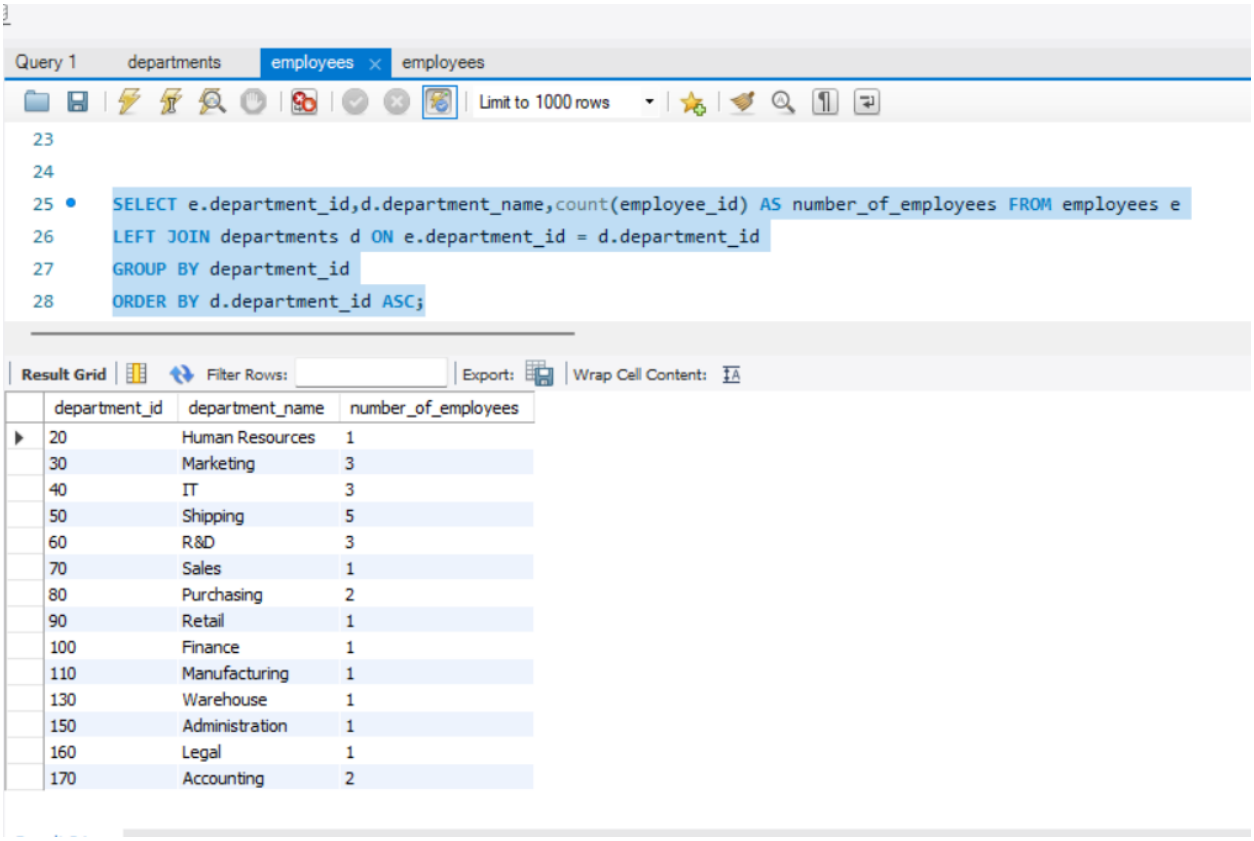
| manager_id | manager_first_name | manager_last_name | number_of_employees |
|---|---|---|---|
| 114 | Den | Raphaely | 5 |
| 120 | Matthew | Weiss | 4 |
| 108 | Nancy | Greenberg | 3 |
| 101 | Neena | Kochhar | 1 |

## 8. Find the count of employees in each department

SELECT e.department_id,d.department_name,count(employee_id) AS number_of_employees
FROM employees e LEFT JOIN departments d ON e.department_id = d.department_id

GROUP BY department_id

ORDER BY d.department_id ASC;



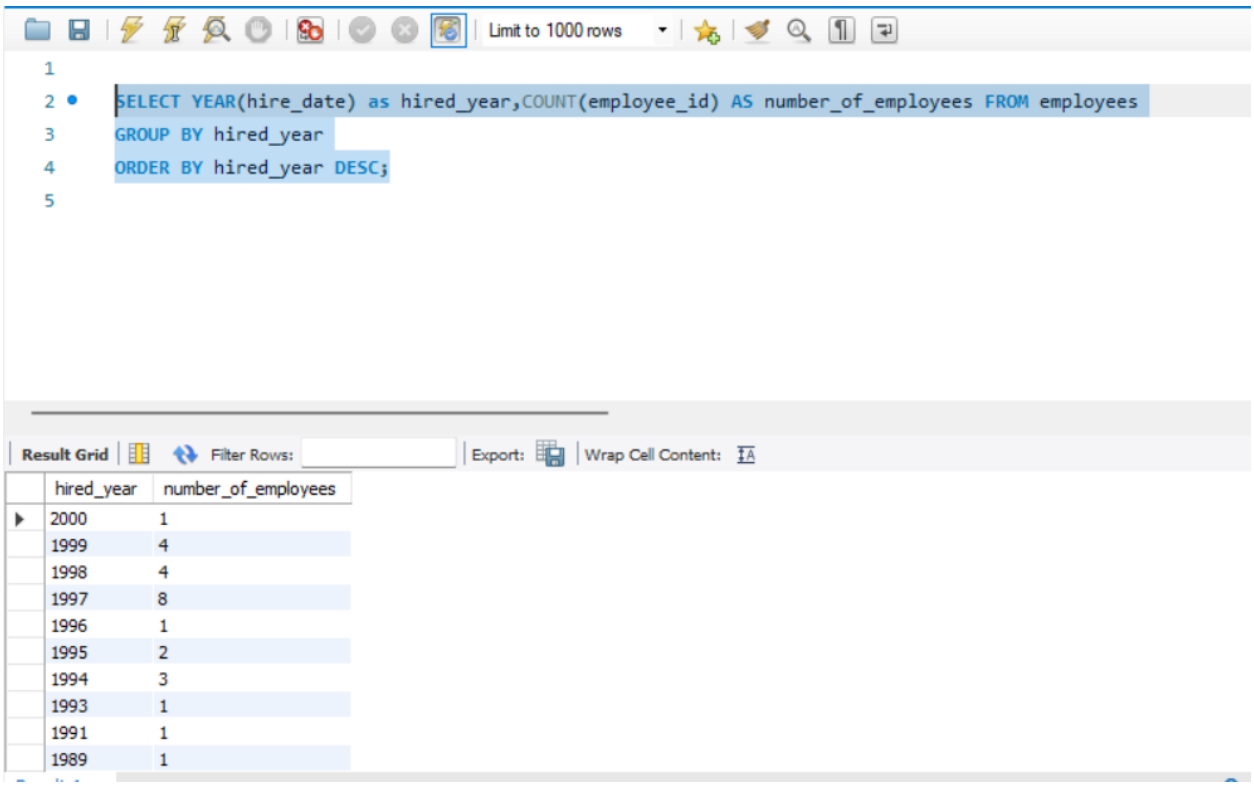

| department_id | department_name | number_of_employees |
|---|---|---|
| 20 | Human Resources | 1 |
| 30 | Marketing | 3 |
| 40 | IT | 3 |
| 50 | Shipping | 5 |
| 60 | R&D | 3 |
| 70 | Sales | 1 |
| 80 | Purchasing | 2 |
| 90 | Retail | 1 |
| 100 | Finance | 1 |
| 110 | Manufacturing | 1 |
| 130 | Warehouse | 1 |
| 150 | Administration | 1 |
| 160 | Legal | 1 |
| 170 | Accounting | 2 |

## 9. Get the count of employees hired year wise

SELECT YEAR(hire_date) as hired_year,COUNT(employee_id) AS number_of_employees FROM employees

GROUP BY hired_year

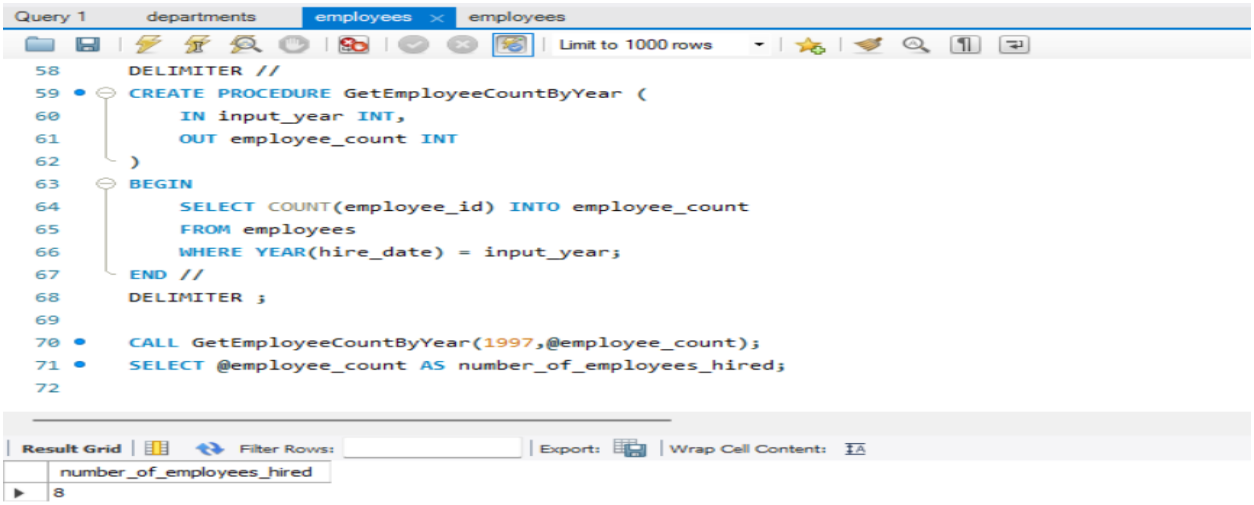
ORDER BY hired_year DESC;




| hired_year | number_of_employees |
|---|---|
| 2000 | 1 |
| 1999 | 4 |
| 1998 | 4 |
| 1997 | 8 |
| 1996 | 1 |
| 1995 | 2 |
| 1994 | 3 |
| 1993 | 1 |
| 1991 | 1 |
| 1989 | 1 |

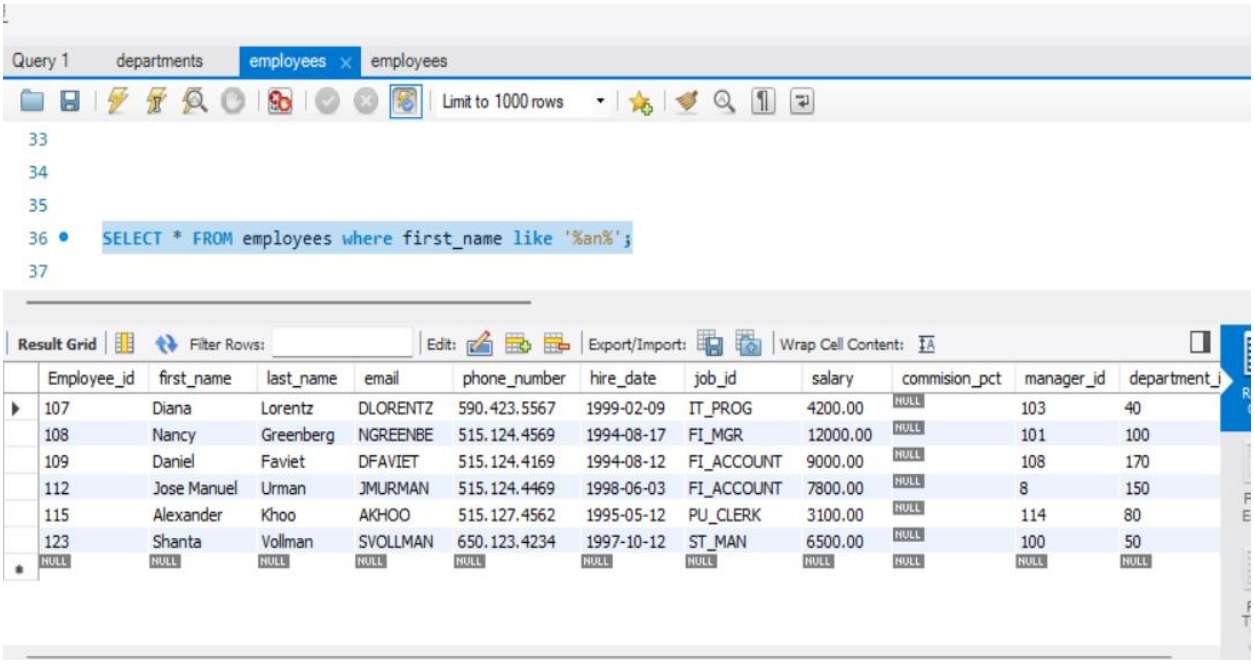
## 10 . create a stored procedure to get the “ Get the count of employees hired in the input year”(IN year , OUT count)

```
DELIMITER //

CREATE PROCEDURE GetEmployeeCountByYear (

    IN input_year INT,

    OUT employee_count INT

)

BEGIN

    SELECT COUNT(employee_id) INTO employee_count

    FROM employees

    WHERE YEAR(hire_date) = input_year;

END //

DELIMITER ;

CALL GetEmployeeCountByYear(1997,@employee_count);

SELECT @employee_count AS number_of_employees_hired;
```



## 11.Select the employees whose first_name contains “an”

SELECT * FROM employees where first_name like '%an%';




| Employee_id | first_name | last_name | email | phone_number | hire_date | job_id | salary | commision_pct | manager_id | department_i |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

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

SELECT first_name, CONCAT('(',SUBSTRING(phone_number,1,3),')-(',SUBSTRING(phone_number,5,3),')-(',SUBSTRING(phone_number,9,4),')') AS phone_number FROM employees;

Query 1 departments employees employees

Limit to 1000 rows

```
SELECT first_name,
CONCAT('(',SUBSTRING(phone_number,1,3),')-(',SUBSTRING(phone_number,5,3),')-(',SUBSTRING(phone_number,9,4),')')
AS phone_number
FROM employees;
```

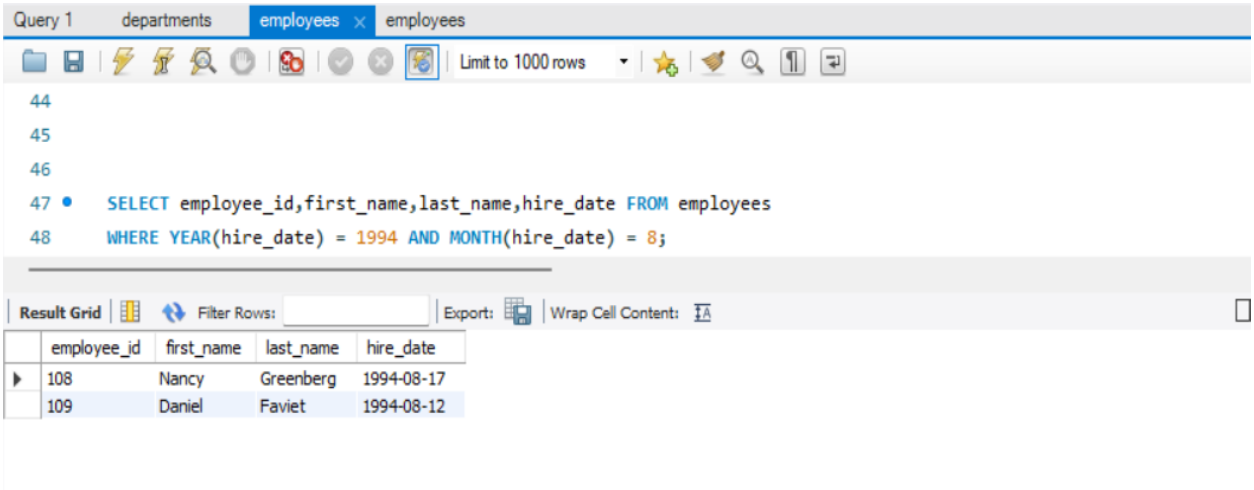
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| first_name | phone_number |
|---|---|
| Neena | (515)-(123)-(4568) |
| Lex | (515)-(123)-(4569) |
| 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) |
| Den | (515)-(127)-(4561) |
| Alexander | (515)-(127)-(4562) |
| Shelli | (515)-(127)-(4563) |
| Sigal | (515)-(127)-(4564) |
| Guy | (515)-(127)-(4565) |
| Karen | (515)-(127)-(4566) |
| Matthew | (650)-(123)-(1234) |
| Payam | (650)-(123)-(3234) |

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

SELECT employee_id,first_name,last_name,hire_date FROM employees

WHERE YEAR(hire_date) = 1994 AND MONTH(hire_date) = 8;



## 14. Find the maximum salary from each department.

SELECT MAX(salary) AS maximum_salary,department_id FROM employees

GROUP BY department_id;

Query 1 departments employees employees

Limit to 1000 rows

```
SELECT MAX(salary) AS maximum_salary,department_id FROM employees
GROUP BY department_id;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

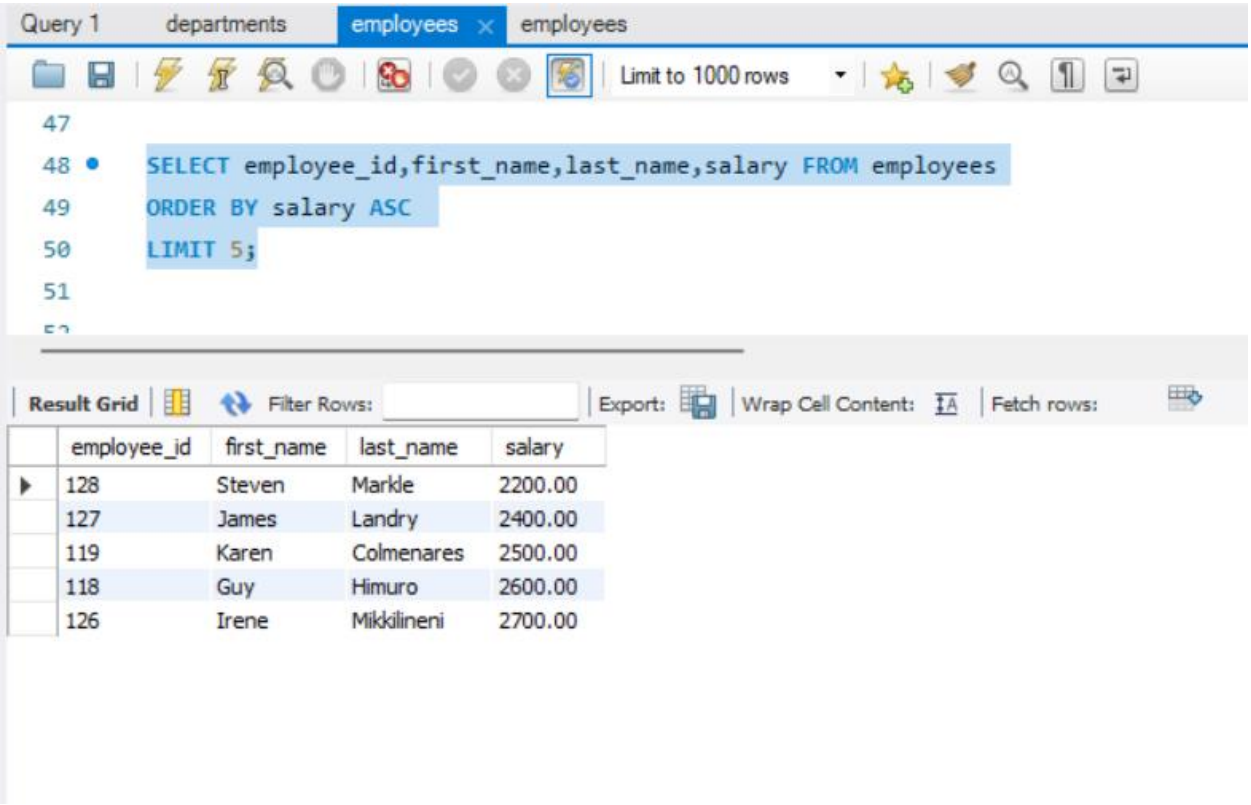
| maximum_salary | department_id |
|---|---|
| 17000.00 | 20 |
| 17000.00 | 30 |
| 7900.00 | 40 |
| 8000.00 | 50 |
| 6000.00 | 60 |
| 2900.00 | 70 |
| 5800.00 | 80 |
| 2400.00 | 90 |
| 12000.00 | 100 |
| 2800.00 | 110 |
| 2500.00 | 130 |
| 7800.00 | 150 |
| 7700.00 | 160 |
| 9000.00 | 170 |

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

SELECT employee_id,first_name,last_name,salary FROM employees

ORDER BY salary ASC

LIMIT 5;

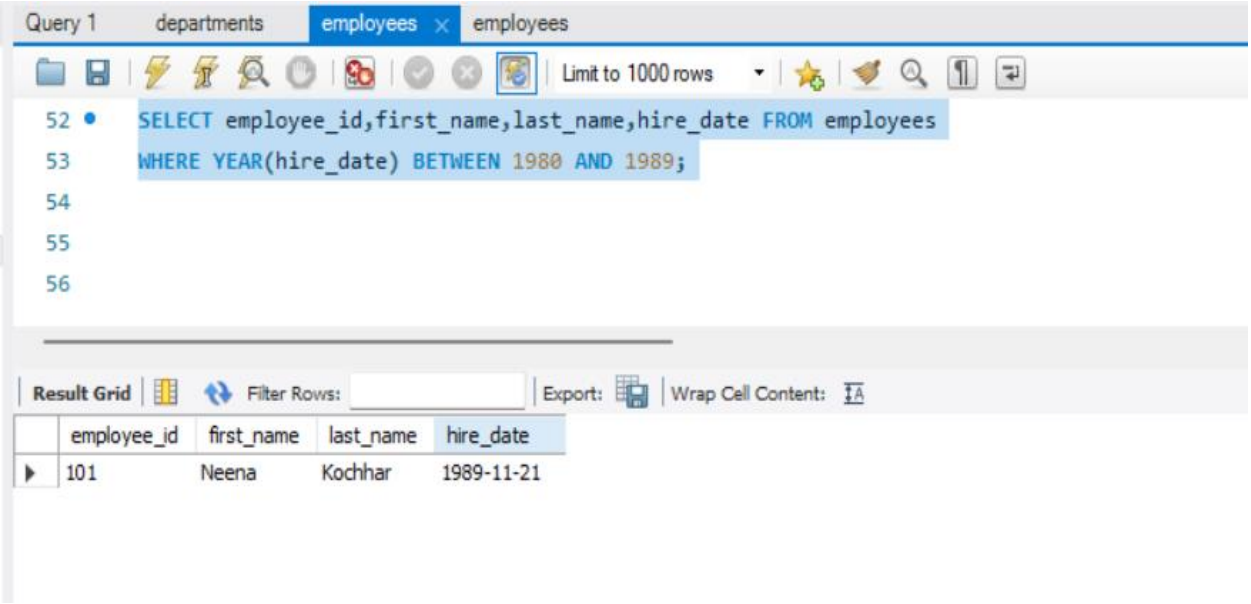



| employee_id | first_name | last_name | salary |
|---|---|---|---|
| 128 | Steven | Markle | 2200.00 |
| 127 | James | Landry | 2400.00 |
| 119 | Karen | Colmenares | 2500.00 |
| 118 | Guy | Himuro | 2600.00 |
| 126 | Irene | Mikkilineni | 2700.00 |

## 16. Find the employees hired in the 80s

SELECT employee_id,first_name,last_name,hire_date FROM employees

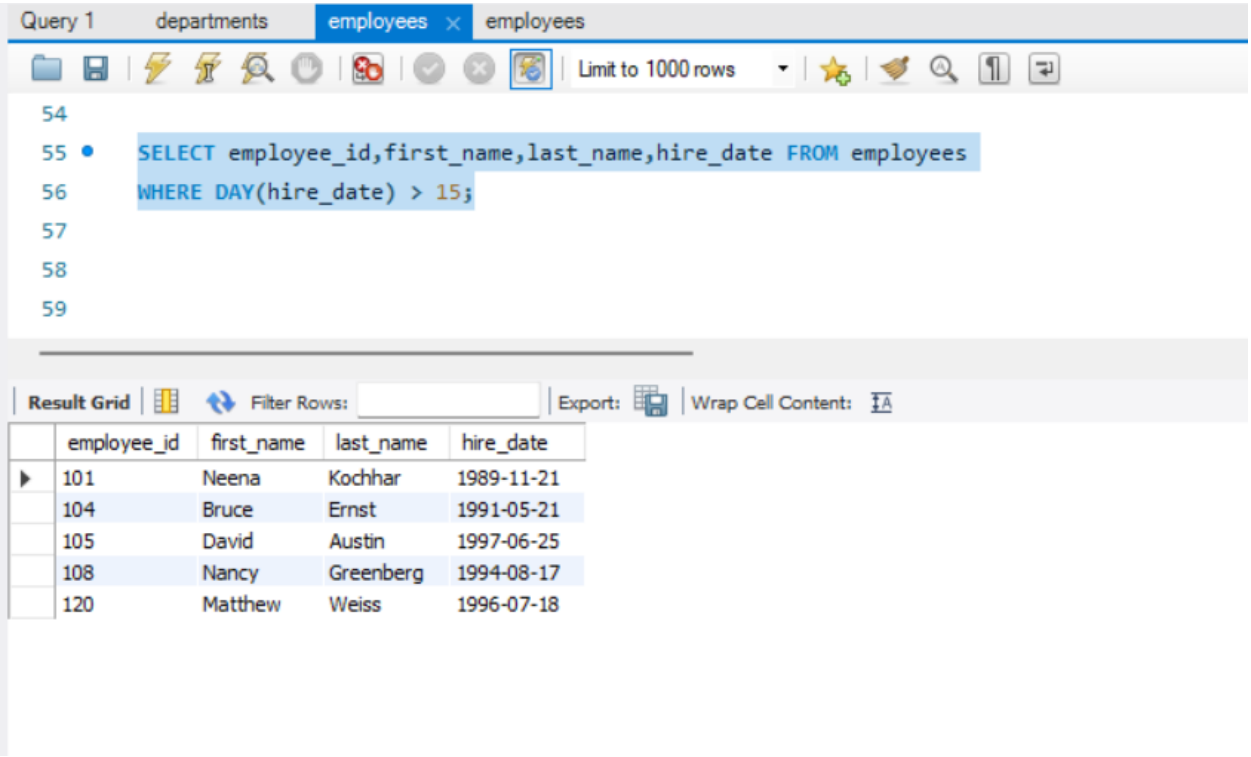
WHERE YEAR(hire_date) BETWEEN 1980 AND 1989;



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

SELECT employee_id,first_name,last_name,hire_date FROM employees

WHERE DAY(hire_date) > 15;




| employee_id | first_name | last_name | hire_date |
|---|---|---|---|
| 101 | Neena | Kochhar | 1989-11-21 |
| 104 | Bruce | Ernst | 1991-05-21 |
| 105 | David | Austin | 1997-06-25 |
| 108 | Nancy | Greenberg | 1994-08-17 |
| 120 | Matthew | Weiss | 1996-07-18 |