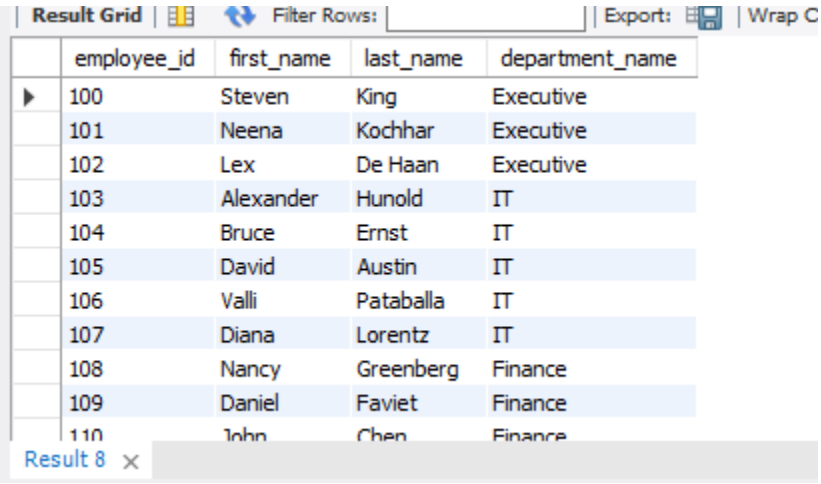
use hr;

/* Task 1 : Display the employee ID, first names,last names, and department names of all employees */

select employee_id,first_name,last_name,

(select department_name from departments where departments.department_id=employees.department_id) as department_name

from employees;



Result Grid | Filter Rows: | Export: | Wrap C

employee_id	first_name	last_name	department_name
100	Steven	King	Executive
101	Neena	Kochhar	Executive
102	Lex	De Haan	Executive
103	Alexander	Hunold	IT
104	Bruce	Ernst	IT
105	David	Austin	IT
106	Valli	Pataballa	IT
107	Diana	Lorentz	IT
108	Nancy	Greenberg	Finance
109	Daniel	Faviet	Finance
110	John	Chen	Finance

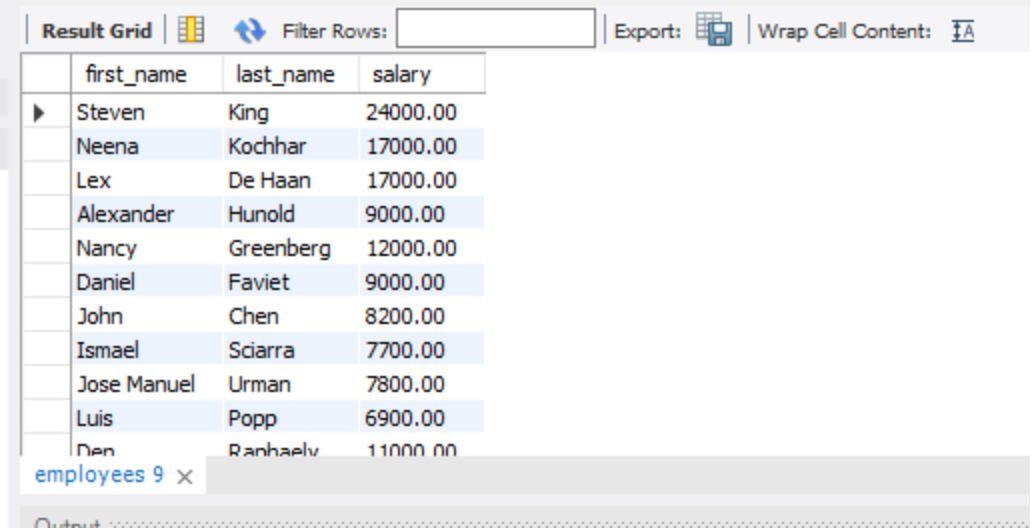
Result 8

/* Task 2 : Write a query to find the names & salaries of employees whose salaries are greater than average salary */

select first_name,last_name,salary from employees

where salary >

(select avg(salary) from employees);



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

first_name	last_name	salary
Steven	King	24000.00
Neena	Kochhar	17000.00
Lex	De Haan	17000.00
Alexander	Hunold	9000.00
Nancy	Greenberg	12000.00
Daniel	Faviet	9000.00
John	Chen	8200.00
Ismael	Sciarra	7700.00
Jose Manuel	Urman	7800.00
Luis	Popp	6900.00
Den	Raphaely	11000.00

employees 9

/* Task 3 : Write a query to find the names (first_name,last_name) and salaries of the employees who earn less than the average salary & work in any of the sales department */

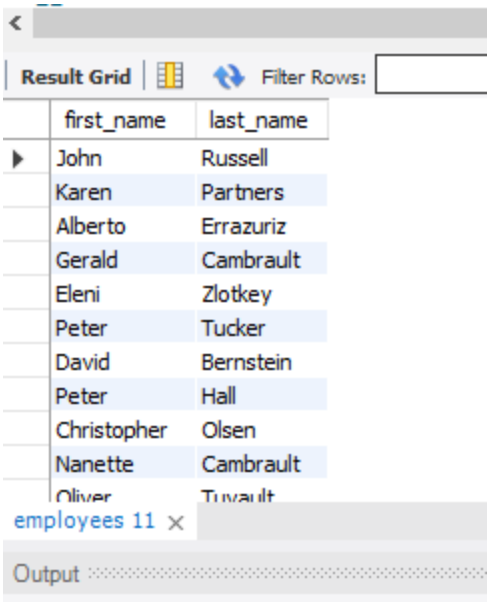
```
select @z:=department_id from departments where department_name='sales' ;
```

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

@z:=department_id
80

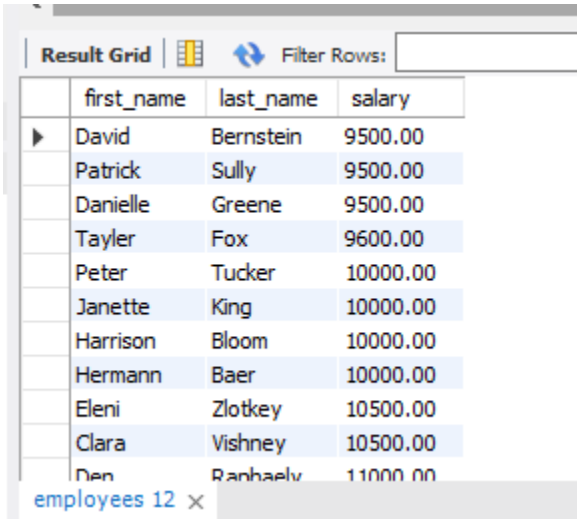
```
select first_name,last_name from employees where salary > (select avg(salary) from employees)

and department_id=@z;
```



/* Task 4 : Write a query to find the name and salary of the employees who have salary higher than the salary of all IT programmers (JOB ID = 'IT_PROG). Sort the salary results lowest to higher */

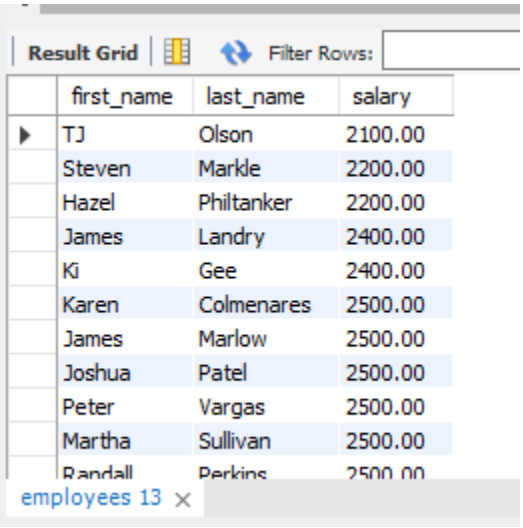
```
select first_name,last_name,salary from employees where salary >
(select max(salary) from employees where job_id='IT_PROG')
order by 3;
```



/* Task 5 : Find the employee with the minimum salary in the employees table. Arrange the records in ascending order */

select first_name,last_name,salary from employees

order by 3;



Result Grid | Filter Rows:

first_name	last_name	salary
TJ	Olson	2100.00
Steven	Markle	2200.00
Hazel	Philtanker	2200.00
James	Landry	2400.00
Ki	Gee	2400.00
Karen	Colmenares	2500.00
James	Marlow	2500.00
Joshua	Patel	2500.00
Peter	Vargas	2500.00
Martha	Sullivan	2500.00
Randall	Perkins	2500.00

employees 13

-- Interpretation : TJ Olson has minimum salary

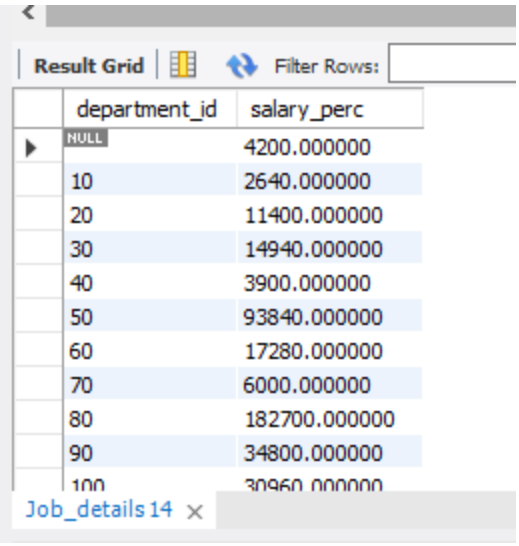
/* Task 6 : Find the names of employees whose salary is greater than 60 % of their departments total salary bill */

create view Job_details as

select department_id,60*sum(salary)/100 as salary_perc from employees

group by department_id;

select * from Job_details;

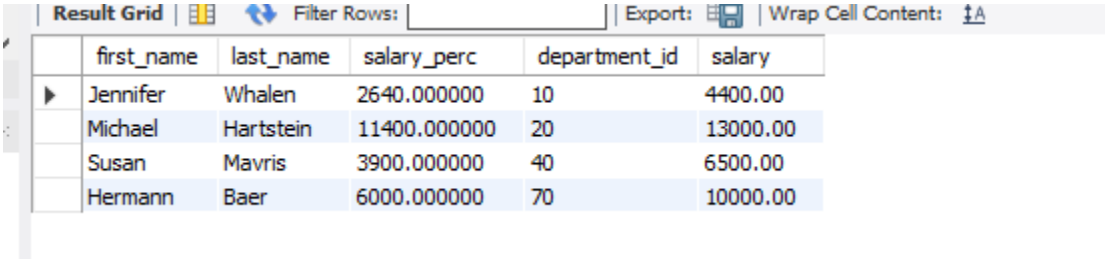


Result Grid | Filter Rows:

department_id	salary_perc
NULL	4200.000000
10	2640.000000
20	11400.000000
30	14940.000000
40	3900.000000
50	93840.000000
60	17280.000000
70	6000.000000
80	182700.000000
90	34800.000000
100	30960.000000

Job_details 14 ×

select first_name,last_name,salary_perc,department_id,salary from employees join Job_details using(department_id) where salary > salary_perc;



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

first_name	last_name	salary_perc	department_id	salary
Jennifer	Whalen	2640.000000	10	4400.00
Michael	Hartstein	11400.000000	20	13000.00
Susan	Mavris	3900.000000	40	6500.00
Hermann	Baer	6000.000000	70	10000.00

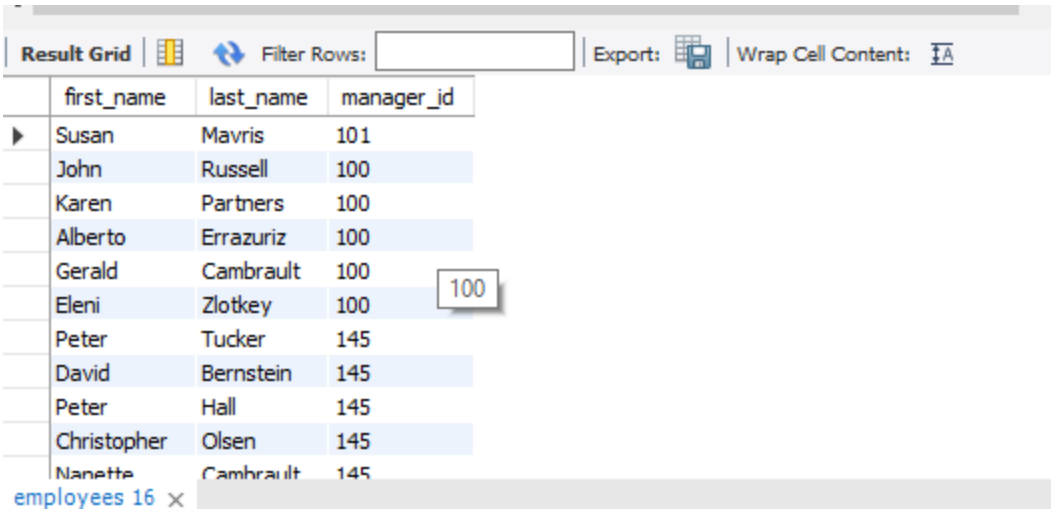
/* Task 7 : Write a query to find the first name and last name of the employees who have manager and worked in UK-base department */

select first_name,last_name,manager_id from employees where department_id in

(select department_id from departments where location_id in

(select location_id from locations where country_id in

(select country_id from countries where country_name="United Kingdom")));



/* Task 8 : Write salary, first name, last name of the highest paid employees and export the output as a csv file */

```
show variables like "secure_file_priv";

select first_name,last_name,salary from employees

order by 3 desc

into outfile 'C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\Myfile5.csv'

fields terminated by ','

lines terminated by'\n';
```


F18
A
B
C
D
1 Steven King 24000
2 Neena Kochhar 17000
3 Lex De Haan 17000
4 John Russell 14000
5 Karen Partners 13500
6 Michael Hartstein 13000
7 Nancy Greenberg 12000
8 Alberto Errazuriz 12000
9 Shelley Higgins 12000
10 Lisa Ozer 11500
11 Den Raphaely 11000
12 Gerald Cambrault 11000
13 Ellen Abel 11000
14 Eleni Zlotkey 10500
15 Clara Vishney 10500
16 Peter Tucker 10000
17 Janette King 10000
18 Harrison Bloom 10000
19 Hermann Baer 10000
20 Tayler Fox 9600
21 David Bernstein 9500
22 Patrick Sully 9500