

MySQL Workbench interface showing a query window with SQL code and a result grid.

Query 1: `sql_1*` SQL File 2*

```
1 use hr;
2 select avg(salary) avgsal,max(salary) maxsal,min(salary) minsal,sum(salary) sumsal,department_id from employees where department_id=50;
3 select min(hire_date),max(hire_date) from employees where department_id=90;
4 select count(commission_pct) from employees ;
5 select count(distinct department_id) from employees;
6 select avg(commission_pct) from employees;
7 select avg(salary) avgsal,max(salary) maxsal,min(salary) minsal,sum(salary) sumsal,department_id from employees group by department_id;
8 select avg(salary) avgsal,max(salary) maxsal,min(salary) minsal,sum(salary) sumsal,department_id from employees where department_id>50 group by department_id;
9 select sum(salary),department_id from employees group by department_id order by department_id desc;
10 select sum(salary),department_id from employees group by department_id having sum(salary)>8000;
```

Result Grid:

employee_id	salary
100	24000.00
101	17000.00
102	17000.00
108	12000.00
114	11000.00

employees 31 x

Output:

MySQL Workbench interface showing a query window with SQL code and a result grid.

Query 1: `sql_1*` SQL File 2*

```
9 select sum(salary),department_id from employees group by department_id order by department_id desc;
10 select avg(salary),department_id from employees group by department_id having avg(salary)>8000;
11 select max(salary),department_id from employees group by department_id having max(salary)>8000;
12 select job_id,sum(salary) from employees where job_id NOT like '%REP%' group by job_id;
13 select max(sal) from (select avg(salary) sal from employees group by department_id) as d ;
14 select employee_id,salary from employees where salary > (select salary from employees where last_name='Ernst');
15
16 select employee_id,last_name,salary,job_id from employees
17 where job_id = (select job_id from employees where last_name='Ernst')
18 sum(salary) > (select salary from employees where last_name='Ernst');
```

Result Grid:

employee_id	salary
100	24000.00
101	17000.00
102	17000.00
108	12000.00
114	11000.00

employees 31 x

Output:

MySQL Workbench interface showing a query execution session. The browser address bar displays the URL: <https://labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1631608188953...>

The MySQL Workbench window shows the following query in the editor:

```
14 • select employee_id,salary from employees where salary > (select salary from employees where last_name='Ernst');
15
16 • select employee_id,last_name,salary,job_id from employees
17     where job_id = (select job_id from employees where last_name='Ernst')
18         AND salary > (select salary from employees where last_name='Austin');
19
20 • select employee_id,salary from employees where salary > all (select salary from employees where job_id='IT_PROG');
21
22
23
```

The Result Grid displays the following data:

employee_id	salary
100	24000.00
101	17000.00
102	17000.00
108	12000.00
114	11000.00

The status bar at the bottom indicates the table 'employees' with 31 rows. The Windows taskbar at the bottom shows the system clock as 5:18 PM on 9/14/2021.