

CASE STUDY 2

1) Write a query to get a unique department id from the employee table.

ANS - select distinct deptid from employee;

2) Write a query to get the names (first_name, last_name), salary, PF of all the employees (PF is calculated as 15% of salary).

ANS- select name first_name,surname last_name,sal,sal*0.15 as pf from employee;

3) Write a query to get the employee ID, names (name,surname), salary in ascending order of salary.

ANS- select eid,name,surname,sal,concat(name,'-',surname) as names from employee order by sal;

4) Write a query to get the total salaries payable to employees.

ANS- select sum(sal)as total_salary_pay from employee;

5) Write a query to get the maximum and minimum salary from the employees table.

ANS- select max(sal) as maximum_salary,min(sal) as minimum_salary from employee;

6) Write a query to get the average salary and number of employees in the employees table.

ANS- select avg(sal) as average_salary,count(*) as no_of_emp from employee;

7) Write a query to get the first 5 characters of name from the employees table.

ANS- select name from employee limit 5;

8) Write a query to display the name,surname, department ID of all employees in departments 30 or 100 in ascending order.

ANS- select name,surname,deptid from employee where deptid in(30,100) order by name;

9) Write a query to display the name of all employees who have both "b" and "c" in their name.

ANS- 1st query-

select name from employee where name like '%b%';

2nd query-

select name from employee where name like '%c%';

10) Write a query to display the last name of employees having 'e' as the third character.

ANS- select surname from employee where name like '___e';

11) Write a query to get the difference between the highest and lowest salaries.

ANS- `select max(sal)-min(sal) as difference from employee;`

12) Write a query to get the department ID and the total salary payable in each department.

ANS- `select deptid, sum(sal) as total_salary from employee group by deptid;`

13) Write a query to display the name, department name for all employees.

ANS- `select name,dept_name,deptid from employee;`

14) Write a query to find the employee id, name along with their manager_id and manager name.

ANS- `select eid,name,mid,manager_name from employee;`

15) Write a query to find the name and the salary of the employees who have a higher salary than the employee whose surname ='king' .

ANS- `select name,sal, max(sal) from employee where surname='king';`