**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 diffrence 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';