**1.** Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000.

select first\_name, last\_name, salary from employees

where (salary >= 10000 && salary <= 15000);

**2.** Write a query to display the name (first\_name, last\_name) and department ID of all employees in departments 30 or 100 in ascending order.

select first\_name, last\_name, department\_id from employees

where (department\_id >= 30 && department\_id <= 100)

order by department\_id ASC;

**3.** Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

select first\_name, last\_name, salary from employees where ((salary < 10000 || salary > 15000) && (department\_id >= 30 && department\_id <= 100));

**4.** Write a query to display the name (first\_name, last\_name) and hire date for all employees who were hired in 1987.

select first\_name, last\_name, hire\_date

from employees

where year(hire\_date) like '1987%';

**5.** Write a query to display the first\_name of all employees who have both "b" and "c" in their first name.

select first\_name from employees

where first\_name like '%b%'

and first\_name like '%a%';

**6.** Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000.

select last\_name, job\_title, salary

-> from employees, jobs

-> where employees.job\_id = jobs.job\_id

-> and job\_title in ('Programmer', 'Shipping Clerk')

-> and salary not in (4500, 10000, 15000);

**7.** Write a query to display the last name of employees whose names have exactly 6 characters.

select last\_name from employees where last\_name like '\_\_\_\_\_\_';

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

select last\_name from employees where last\_name like '\_\_e%';

**9.** Write a query to display the jobs/designations available in the employees table.

select distinct job\_id from employees;

**10.** Write a query to display the name (first\_name, last\_name), salary and PF (15% of salary) of all employees.

select first\_name, last\_name, salary, salary\*0.15 as PF

from employees;

**11.** Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

select \* from employees where (last\_name in ('BLAKE', 'SCOTT', 'KING', 'FORD'));