MySQL Assignment -3 (Basic Select)

1. Write a query to display the names (first_name, last_name) using alias name “First Name", "Last Name.

   ```
   mysql> select first_name as "First Name",
     -> last_name as "Last Name"
     -> from employees;
   ```

2. Write a query to get unique department ID from employee table.

   ```
   mysql> select distinct department_id from employees;
   ```

3. Write a query to get all employee details from the employee table order by first name, descending

   ```
   mysql> select * from employees
     -> order by first_name desc;
   ```

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

   ```
   mysql> select first_name,
     -> last_name,
     -> salary*0.15 as PF
     -> from employees;
   ```

5. Write a query to get the employee ID, names (first_name, last_name), salary in ascending order of salary.

   ```
   mysql> select employee_id,
     -> first_name,
     -> last_name,
     -> salary
     -> from employees
     -> order by salary asc;
   ```

6. Write a query to get the total salaries payable to employees.

```
mysql> select sum(salary) as "Total Salary"
    -> from employees;
```

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

```
mysql> select min(salary) as "Minimum Salary",
    -> max(salary) as "Maximum Salary"
    -> from employees;
```

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

```
mysql> select avg(salary) as "Average Salary",
    -> count(employee_id) as "Count Of Employees"
    -> from employees;
```

9. Write a query to get the number of employees working with the company.

```
mysql> select count(*) as "Count" from employees;
```

10. Write a query to get the number of jobs available in the employees table

```
mysql> select count(job_id) as "Total Jobs"
    -> from employees;
```

11. Write a query to select first 10 records from a table.

```
mysql> select * from employees limit 10;
```

12. 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

```
mysql> select first_name,last_name,
    -> salary
    -> from employees
    -> where salary between 10000 and 15000;
```

13. 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.

```
mysql> select first_name,last_name,
    -> department_id
    -> from employees
    -> where department_id in (30,100)
    -> order by department_id asc;
```

14. 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.

```
mysql> select first_name,last_name,
    -> department_id
    -> from employees
    -> where salary not in (10000,15000)
    -> and department_id in (30,100);
```

15. Write a query to display the name (first_name, last_name) and hire date for all employees who were hired in 1987.

```
mysql> select first_name, last_name
    -> from employees
    -> where year(hire_date)= 1987;
```

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

```
mysql> select first_name
    -> from employees
    -> where first_name like "%b%"
    -> and first_name like "%c%";
```

17. 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.

```
mysql> select last_name, job_id, salary
    -> from employees
    -> where job_id in("it_prog","sh_clerk")
    -> and salary not in (4500,10000, 15000);
```

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

```
mysql> select last_name from employees
    -> where length(last_name) = 6;
+---------------------------------alternate one-------------------------------------+
mysql> select last_name from employees
    -> where last_name like  "______";
```

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

```
mysql> select last_name from employees
    -> where last_name like "__e%";
```

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

```
mysql> select distinct job_id from employees;
```

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

```
mysql> select * from employees
    -> where last_name in ('blake','king','ford');
```