**Lab Task**

**Instructor: Basit Ali**

**Write SQL queries for the following statements.**

1. Write a query in SQL to display the unique designations for the employees.

SELECT DISTINCT job\_id "Unique Designation"

from employees;

1. Write a query in SQL to list the employee First & last name in one column and their salary is increased by 15%

SELECT first\_name || ' ' || last\_name "Employee Name",

Salary,

Salary + salary\*15/100 "salary increased by 15%"

from employees;

1. Write a query to list the all those employees who does not belong to department 90

select employee\_id,

first\_name ||' '|| last\_name "Employee Name",

department\_id

from employees

where department\_id!=90;

1. Write a query in SQL to list the employees whose salaries are less than 4000.

SELECT employee\_id,

first\_name ||' '|| last\_name "Employee Name",

salary

from employees

where salary<4000;

Note: As we have to list all the employees, so I selected the basic info of employees.

1. Write a query in SQL to list those employees whose salary is an odd value.

SELECT employee\_id,

first\_name || ' ' || last\_name "Employee Name",

salary

from employees

where MOD(salary,2)!=0;

1. Write a query that displays the **employee’s last names** with the first letter capitalized and all other letters lowercase and the length of the name for all employees whose name starts with J, A, or M. Give each column an appropriate label. Sort the results by the employees’ last names.

SELECT INITCAP (last\_name) "name with initial's capital", length (last\_name) "length of Name"

from employees

where last\_name LIKE 'J%' OR last\_name LIKE 'A%' OR last\_name LIKE 'M%'

order by last\_name;

1. Write a query to display the number of people with the same job\_id. (Hint use group function, Count.)

SELECT job\_id, count(job\_id)

from employees

group by job\_id;

1. Write a query to display each department’s id, number of employees, and the average salary for all employees in that department.

SELECT department\_id,

Count ( department\_id) "no. of employees",

AVG (Salary) "average salary"

from employees

group by department\_id;