

NAME:SYEDHILAL
ROLLNO:SE-21049

LAB-5

EXERCISE:

1. Create a query to display the name and salary of employees earning more than \$4000.

```
SQL> select emp_name,salary from employee where salary>4000;
```

EMP_NAME	SALARY
Azib	5000
umar	6000
Hamza	10000
Usman	12000

2. Create a query to display the employee name and department number for employee number 7839.

```
SQL> select emp_name ,dept_no from employee where emp_id=7839;
```

EMP_NAME	DEPT_NO
Ali	3

3. Modify lab to display the name and salary for all employees whose salary is not in the range of \$5,000 and \$12,000.

```
SQL> select emp_name,salary from employee where salary not between 5000 and 12000;
```

EMP_NAME	SALARY
Ali	4000

4. Display the employee name, job , and hiredate of employees hired between February 20, 1998, and May 1, 1998. Order the query in ascending order by start date

```
SQL> SELECT emp_name, job, hire_date from employee where hire_date between 'February 20,1998' and 'May 1,1998' order by hire_date ASC;
```

EMP_NAME	JOB	HIRE_DATE
Ali	salesman	February 25,1998

5. Display the name and department number of all employees in departments 20 and 30 in alphabetical order by name.

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```
SQL> SELECT emp_id, dept_no FROM Employee WHERE dept_no IN (20, 30) ORDER BY emp_name ASC;
```

EMP_ID	DEPT_NO
7842	20

6. Modify lab to list the name and salary of employees who earn between \$5,000 and \$12,000, and are in department 20 or 50. Label the columns Employee and Monthly Salary , respectively.

```
SQL> SELECT emp_name AS "Employee", Salary AS "Monthly Salary" FROM Employee WHERE Salary BETWEEN 5000 AND 12000 AND Dept_no IN (20, 50);
```

Employee	Monthly Salary
Usman	12000

7. Display the last name and hire date of every employee who was hired in 1998.

```
SQL> SELECT emp_Last_Name, hire_date FROM employee WHERE hire_date LIKE '%1998';
```

EMP_LAST_NAME	HIRE_DATE
khan	February 25,1998
khan	May 2,1998
Ammar	November 30,1998

8. Display the last name and job title of all employees who do not have a manager.

```
SQL> SELECT emp_Last_Name, Job FROM Employee WHERE job not in ('Manager','manager');
```

EMP_LAST_NAME	JOB
khan	salesman
khan	salesman
Ammar	HR

9. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.

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```
SQL> SELECT emp_Last_Name, Salary, Commission FROM Employee WHERE Commission IS NOT NULL ORDER BY Salary DESC, Commission DESC;
```

EMP_LAST_NAME	SALARY	COMMISSION
Uzair	12000	100
Ammar	10000	50
khan	6000	50
khalid	5000	500
khan	4000	50

10. Display the last names of all employees where the third letter of the name is an a.

```
SQL> select emp_last_name from employee where emp_name like '__a%';
```

EMP_LAST_NAME
khan

11. Display the last name of all employees who have an a and an e in their name.

```
SQL> select emp_last_name from employee where emp_last_name LIKE '%a%' and emp_last_name like '%e%';
```

EMP_LAST_NAME
suelaman

12. Display the last name, job, and salary for all employees whose job is salesman or clerk and whose salary is not equal to \$2,500, \$3,500, or \$800.

```
SQL> SELECT emp_Last_Name, Job, Salary FROM Employee WHERE Job IN ('salesman', 'clerk') AND Salary NOT IN (2500, 3500, 800);
```

EMP_LAST_NAME	JOB	SALARY
khan	salesman	4000
khan	salesman	6000