

Ex.No.: 6

RESTRICTING AND SORTING DATA

- 1) Create a query to display the last name and salary of employees earning more than 12000.

```
select salary , last_name from employees
where salary > 12000;
```

| SALARY | LAST_NAME |
|--|-----------|
| 13500 | Austin |
| 13500 | Austin |
| 13500 | Austin |
| 13500 | Austin |
| 13500 | Austin |
| 13500 | Austin |
| 6 rows returned in 0.01 seconds Download | |

- 2) Create a query to display the employee last name and department number for employee number 176.

```
select last_name , department_id from employees
where employee_id = 176;
```

| LAST_NAME | DEPARTMENT_ID |
|--|---------------|
| Evans | 55 |
| 1 rows returned in 0.00 seconds Download | |

- 3) Create a query to display the last name and salary of employees whose salary is not in the range of 5000 and 12000.

```
select last_name , salary from employees
where salary not between 5000 and 12000;
```

| LAST_NAME | SALARY |
|-----------|--------|
| Rudd | 2500 |
| Austin | 13500 |
| Goldblum | 3500 |
| Mackie | 4000 |
| Austin | 13500 |
| Beiber | 4900 |
| Austin | 13500 |
| Austin | 13500 |
| Austin | 13500 |

| | |
|-------------|-------|
| Klementieff | 1100 |
| Austin | 13500 |
| Cooper | 4500 |

12 rows returned in 0.00 seconds Download

- 4) Display the employee last name, job ID, and start date of employees hired between February 20,1998 and May 1,1998.order the query in ascending order by start date.(hints: between)

```
select last_name, job_id, hire_date from employees
where hire_date between '02-20-1998' and '05-01-1998';
```

| LAST_NAME | JOB_ID | HIRE_DATE |
|-----------|--------|------------|
| Evans | #ce005 | 04/01/1998 |

1 rows returned in 0.00 seconds Download

- 5) Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.

```
select last_name, department_id from employees
where department_id = 20 or department_id = 50
order by last_name;
```

| LAST_NAME | DEPARTMENT_ID |
|-------------|---------------|
| Austin | 50 |
| Cumberbatch | 50 |
| Holland | 50 |

3 rows returned in 0.04 seconds Download

- 6) Display the last name and salary of all employees who earn between 5000 and 12000 and are in departments 20 and 50 in alphabetical order by name. Label the columns EMPLOYEE, MONTHLY SALARY respectively.

```
select last_name as "EMPLOYEE" , salary as "MONTHLY SALARY" from employees
where department_id in (20,50) and salary between 5000 and 12000
order by last_name;
```

| EMPLOYEE | MONTHLY SALARY |
|-------------|----------------|
| Cumberbatch | 8200 |
| Holland | 6000 |

2 rows returned in 0.04 seconds Download

- 7) Display the last name and hire date of every employee who was hired in 1994.

```
select last_name, hire_date from employees
```

where hire_date like '%1994%';

| LAST_NAME | HIRE_DATE |
|--|------------|
| Evans | 05/07/1994 |
| 1 rows returned in 0.00 seconds Download | |

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

```
select e.last_name, d.dept_name from employees e
join department d
on e.department_id = d.dept_id
where not(dept_name = 'manager');
```

| LAST_NAME | DEPT_NAME |
|--|------------------|
| Rudd | accounts manager |
| Oben | ethical hacker |
| Austin | data analyst |
| Goldblum | HR |
| Mackie | accounts manager |
| Stan | HR |
| Evans | data analyst |
| Bautista | HR |
| 8 rows returned in 0.03 seconds Download | |

- 9) Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.(hints: is not nul,orderby)

```
select last_name,salary,commission_pct from employees
where commission_pct is not null
order by salary,commission_pct desc;
```

| LAST_NAME | SALARY | COMMISSION_PCT |
|-------------|--------|----------------|
| Klementieff | 1100 | .1 |
| Rudd | 2500 | .16 |
| Goldblum | 3500 | .13 |
| Mackie | 4000 | .13 |
| Cooper | 4500 | .13 |
| Beiber | 4900 | .1 |
| Thompson | 5200 | .12 |
| Stone | 5500 | .15 |
| Holland | 6000 | .13 |
| Bautista | 6500 | .15 |

- 10) Display the last name of all employees where the third letter of the name is a.

```
select last_name from employees
where last_name like '_a%';
```

| Results | Explain | Describe | Saved SQL | History |
|--|---------|----------|-----------|---------|
| LAST_NAME | | | | |
| Stan | | | | |
| Evans | | | | |
| charles | | | | |
| 3 rows returned in 0.00 seconds Download | | | | |

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

```
SELECT last_name FROM employees
WHERE last_name LIKE '%a%' AND last_name LIKE '%e%';
```

| LAST_NAME | | | | |
|--|--|--|--|--|
| Mackie | | | | |
| Boseman | | | | |
| Cumberbatch | | | | |
| charles | | | | |
| 4 rows returned in 0.00 seconds Download | | | | |

12) Display the last name and job and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to 2500 ,3500 or 7000/.

```
SELECT e.last_name,e.salary,d.dept_name FROM employees e
join department d on e.department_id = d.dept_id
WHERE (dept_name in ('stock clerk','sales representative')) and (salary not
in(2500,3500,7000));
```

| LAST_NAME | SALARY | DEPT_NAME |
|--|--------|-------------|
| Olsen | 7300 | stock clerk |
| 1 rows returned in 0.01 seconds Download | | |