Ex.No.: 6		RESTRICTING AND SORTING DATA
Date:	29/08/2024	

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;
```

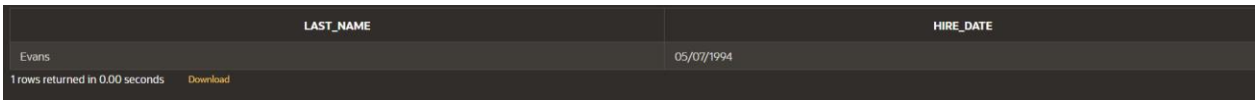
EMPLOYEE	MONTHLY SALARY
Cumberbatch	8200
Holland	6000

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
Olsen	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

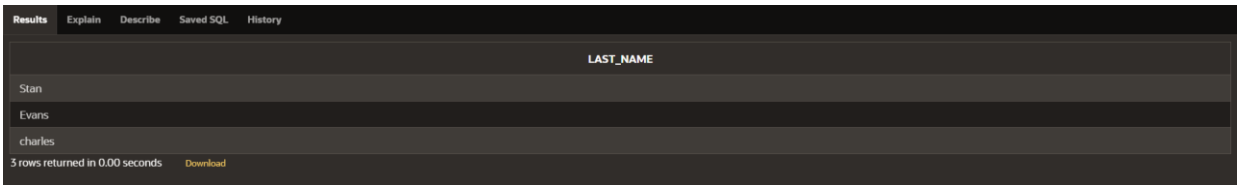
9) Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.(hints: is not nul,orderby)

```
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

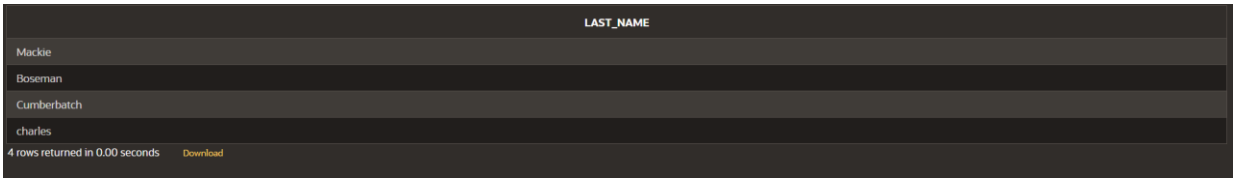
10) Display the last name of all employees where the third letter of the name is a.

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



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%';
```



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));
```