EXERCISE-5

Restricting and Sorting data

Find the Solution for the following:-

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

QUERY:

```
SELECT LASTNAME, SALARY
FROM EMPLOYEE
WHERE SALARY > 12000;
```

OUTPUT:

LASTNAME	SALARY
Patel	13700
Dancs	12500
Drexlet	15050
Ropebur	14000
Newman	14350
5 rows returned in 0.01 seconds Download	

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

QUERY:

```
SELECT LASTNAME, DEPT_NO
FROM EMPLOYEE
WHERE EMPLOYEE_NO = 176;
```

OUTPUT:

LASTNAME	DEPT_NO
Ropebur	
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. (hints: not between)

QUERY:

```
SELECT LASTNAME, SALARY
FROM EMPLOYEE
WHERE SALARY NOT BETWEEN 5000 AND 12000;
```

OUTPUT:

LASTNAME	SALARY
Patel	13700
Dancs	12500
Drexler	15050
Ropebur	14000
Newman	14350
5 rows returned in 0.01 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)

QUERY:

```
SELECT LASTNAME, JOB_CODE, STARTDATE

FROM EMPLOYEE

MHERE STARTDATE BETWEEN TO_DATE('1998-02-20', 'YYYY-MM-DD') AND TO_DATE('1998-05-01', 'YYYY-MM-DD')

ORDER BY STARTDATE ASC;
```

OUTPUT:

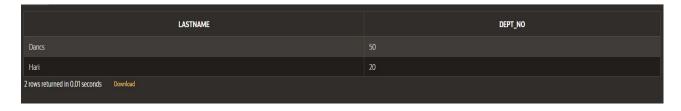


5. Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.(hints: in, orderby)

QUERY:

```
SELECT LASTNAME, DEPT_NO
FROM EMPLOYEE
WHERE DEPT_NO IN (20, 50)
ORDER BY LASTNAME ASC;
```

OUTPUT:



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.(hints: between, in)

QUERY:

```
SELECT LASTNAME AS EMPLOYEE, SALARY AS "MONTHLY SALARY"
FROM EMPLOYEE
WHERE SALARY BETWEEN 5000 AND 12000
AND DEPT_NO IN (20, 50)
ORDER BY LASTNAME ASC;
```

OUTPUT:

	EMPLOYEE	MONTHLY SALARY
Hari		11500
1 rows returned in 0.01 seconds	Download	

7. Display the last name and hire date of every employee who was hired in 1994.(hints: like)

QUERY:

```
SELECT LASTNAME, HIRE_DATE
FROM EMPLOYEE
WHERE HIRE_DATE LIKE '%1994';
```

OUTPUT:

LASTNAME	HIRE_DATE
Patel	04/29/1994
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.(hints: is null)

QUERY:

```
SELECT LASTNAME, JOB_TITLE
FROM EMPLOYEE
WHERE MANAGER IS NULL;
```

OUTPUT:

LASTNAME	JOB_TITLE	
Drexler		
Newman		
2 rows returned in 0.01 seconds Download 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)

QUERY:

```
SELECT LASTNAME, SALARY, COMMISSION
FROM EMPLOYEE
WHERE COMMISSION IS NOT NULL
ORDER BY SALARY DESC, COMMISSION DESC;
```

OUTPUT:

36336334	TOTAL.	00130000000	
LASTNAME	SALARY	COMMISSION	
Drexler	15050	1700	
Newman	14350	670	
Ropebur	14000	1500	
Patel	13700	1000	
Dancs	12500	100	
Hari	11500	400	
6 rows returned in 0.01 seconds Download			

10. Display the last name of all employees where the third letter of the name is a.(hints:like)

QUERY:

```
SELECT LASTNAME

FROM EMPLOYEE

WHERE LASTNAME LIKE '_a%';
```

OUTPUT:



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

QUERY:

```
SELECT LASTNAME

FROM EMPLOYEE

WHERE LASTNAME LIKE '%a%' AND LASTNAME LIKE '%e%';
```

OUTPUT:



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.(hints:in,not in)

QUERY:

```
SELECT LASTNAME, JOB_TITLE, SALARY

FROM EMPLOYEE

WHERE JOB_TITLE IN ('Sales Representative', 'Stock Clerk')

AND SALARY NOT IN (2500, 3500, 7000);
```

OUTPUT:

LASTNAME	JOB_TITLE	SALARY
Drexler	Stock Clerk	15050
Newman	Sales Representative	14350
2 rows returned in 0.01 seconds Download		

13. Display the last name, salary, and commission for all employees whose commission amount is 20%.(hints:use predicate logic)

QUERY:

```
SELECT LASTNAME, SALARY, COMMISSION
FROM EMPLOYEE
WHERE COMMISSION = 0.20;
```

OUTPUT:

