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 :

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

OUTPUT :

LASTNAME	SALARY
Patel	13700
Dancs	12500
Drexler	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 :

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

OUTPUT:

LASTNAME	DEPT_NO
Ropebur	2

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 :

```sql
SELECT LASTNAME, JOB_CODE, STARTDATE
FROM EMPLOYEE
WHERE STARTDATE BETWEEN TO_DATE('1998-02-20', 'YYYY-MM-DD') AND TO_DATE('1998-05-01', 'YYYY-MM-DD')
ORDER BY STARTDATE ASC;
```

OUTPUT:

```
no data found
```

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 :

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

OUTPUT:

LASTNAME	DEPT_NO
Dancs	50
Hari	20

2 rows returned in 0.01 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.(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

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 :

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

OUTPUT:

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 :

```sql
SELECT LASTNAME
FROM EMPLOYEE
WHERE LASTNAME LIKE '__a%';
```

OUTPUT:

LASTNAME
Haari

1 rows returned in 0.01 seconds   Download

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

QUERY :

```sql
SELECT LASTNAME
FROM EMPLOYEE
WHERE LASTNAME LIKE '%a%' AND LASTNAME LIKE '%e%';
```

OUTPUT:

LASTNAME
Patel
Newman

2 rows returned in 0.01 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.(hints:in,not in)

QUERY :

```sql
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 :

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

OUTPUT:

```
no data found
```