

DBMS EX - 5

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Exercise : 5

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

The screenshot shows a SQL editor interface with the following details:

- Language: SQL
- Rows: 10
- Clear Command
- Find Tables
- Results tab selected
- SQL command:

```
1 SELECT last_name, salary
2 FROM employees
3 WHERE salary > 12000;
```
- Results table:

LAST_NAME	SALARY
Doe	60000
Doe	60000

2.

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

The screenshot shows a SQL editor interface with the following details:

- Language: SQL
- Rows: 10
- Clear Command
- Find Tables
- Results tab selected
- SQL command:

```
1 SELECT last_name, department_id
2 FROM employees
3 WHERE employee_id = 176;
```
- Results table:

LAST_NAME	DEPARTMENT_ID
Jefry	10

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)

The screenshot shows a SQL query interface with the following details:

Language: SQL
Rows: 10
Clear Command
Find Tables

Query:

```
1 SELECT last_name, salary
2 FROM employees
3 WHERE salary NOT BETWEEN 5000 AND 12000;
4
```

Results tab is selected.

LAST_NAME	SALARY
Doe	60000
Jefry	60000

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)

The screenshot shows a SQL query interface with the following details:

Language: SQL
Rows: 10
Clear Command
Find Tables

Query:

```
1 SELECT last_name, job_id, hire_date
2 FROM employees
3 WHERE hire_date BETWEEN TO_DATE('20-FEB-1998','DD-MON-YYYY')
4           AND TO_DATE('01-MAY-1998','DD-MON-YYYY')
5 ORDER BY hire_date ASC;
6
```

Results tab is selected.

LAST_NAME	JOB_ID	HIRE_DATE
Jefry	IT_PROG	3/25/1998
Junior	IT_PROG	4/3/1998
Revera	IT_PROG	4/15/1998

5. Display the last name and department number of all employees in departments 20 and 50 in

alphabetical order by name.(hints: in, orderby)

The screenshot shows a SQL query editor interface. The query is:

```
1 SELECT last_name, department_id
2 FROM employees
3 WHERE department_id IN (20, 50)
4 ORDER BY last_name;
```

The results table has two columns: LAST_NAME and DEPARTMENT_ID. The data is:

LAST_NAME	DEPARTMENT_ID
Jeffry	50
Junior	20

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)

The screenshot shows a SQL query editor interface. The query is:

```
1 SELECT last_name AS EMPLOYEE,
2        salary AS "MONTHLY SALARY"
3   FROM employees
4  WHERE salary BETWEEN 5000 AND 12000
5    AND department_id IN (20, 50)
6 ORDER BY last_name;
```

The results table has two columns: EMPLOYEE and MONTHLY SALARY. The data is:

EMPLOYEE	MONTHLY SALARY
Jeffry	10000
Junior	7500

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

Language SQL Rows 10 Clear command Find tables

SELECT last_name, hire_date
FROM employees
WHERE TO_CHAR(hire_date, 'YYYY') = '1994';

Results Explain Describe Saved SQL History

LAST_NAME	HIRE_DATE
Revere	2/20/1994
Junior	7/3/1994
Jeffry	3/19/1994

8. Display the last name and job title of all employees who do not have a manager.(hints: is null)

Language SQL Rows 10 Clear Command Find Tables

SELECT last_name, job_id
FROM employees
WHERE manager_id IS NULL;

Results Explain Describe Saved SQL History

LAST_NAME	JOB_ID
Revere	IT_PROG
Dee	IT_PROG
Junior	IT_PROG

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 null, order by)

Language SQL Rows 10 Clear Command Find Tables

```
1 SELECT last_name, salary, commission_pct
2 FROM employees
3 WHERE commission_pct IS NOT NULL
4 ORDER BY salary DESC, commission_pct DESC;
5
```

Results Explain Describe Saved SQL History

LAST_NAME	SALARY	COMMISSION_PCT
Doe	60000	.3
Revera	55000	.3
Jefry	10000	.3
Junior	7500	.10

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

Language SQL Rows 10 Clear Command Find Tables

```
1 SELECT last_name
2 FROM employees
3 WHERE last_name LIKE '__a%';
4
```

Results Explain Describe Saved SQL History

LAST_NAME
shakes

11. Display

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

Language SQL Rows 10 Clear Command Find Tables

```
1 SELECT last_name
2 FROM employees
3 WHERE last_name LIKE '%a%' AND last_name LIKE '%e%';
4
```

Results Explain Describe Saved SQL History

LAST_NAME
Revera
shakes

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)

The screenshot shows a SQL query being run in a database interface. The query selects last_name, job_id, and salary from the employees table where job_id is either 'SA_REP' or 'ST_CLERK' and salary is not 2500, 3500, or 7000. The results are displayed in a table with columns LAST_NAME, JOB_ID, and SALARY.

```
Language: SQL | Rows: 10 | Clear Command | Find Tables
```

```
1 SELECT last_name, job_id, salary
2 FROM employees
3 WHERE job_id IN ('SA_REP','ST_CLERK')
4 AND salary NOT IN (2500, 3500, 7000);
```

LAST_NAME	JOB_ID	SALARY
Revera	SA_REP	55000
shakes	ST_CLERK	10000

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

The screenshot shows a SQL query being run in a database interface. The query selects last_name, salary, and commission_pct from the employees table where commission_pct is exactly 0.20. The results are displayed in a table with columns LAST_NAME, SALARY, and COMMISSION_PCT.

```
Language: SQL | Rows: 10 | Clear Command | Find Tables
```

```
1 SELECT last_name, salary, commission_pct
2 FROM employees
3 WHERE commission_pct = 0.20;
4
```

LAST_NAME	SALARY	COMMISSION_PCT
Revera	55000	.2