

EXERCISE-5

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

```
SELECT last_name, salary  
FROM employees  
WHERE salary > 12000;
```

Output

last_name	salary
Baker	13000

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;
```

Output

last_name	department_id
Clark	20

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)

```
SELECT last_name, salary  
FROM employees  
WHERE salary NOT BETWEEN 5000 AND 12000;
```

Output

last_name	salary
Baker	13000
Jones	4000

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 '1998-02-20' AND '1998-05-01'  
ORDER BY hire_date ASC;
```

Output

last_name	job_id	hire_date
Adams	IT_PROG	1998-03-15

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

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

```
SELECT last_name, department_id
FROM employees
WHERE department_id IN (20, 50)
ORDER BY last_name ASC;
```

Output

last_name	department_id
Baker	50
Carter	50
Clark	20
Evans	20
Ford	20
Grant	50
Jones	20

6. 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)

```
SELECT last_name AS EMPLOYEE, salary AS "MONTHLY SALARY"
FROM employees
WHERE salary BETWEEN 5000 AND 12000
  AND department_id IN (20, 50)
ORDER BY last_name ASC;
```

Output

EMPLOYEE	MONTHLY SALARY
Carter	9500
Clark	8000
Evans	6000
Ford	6000
Grant	9000

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

```
SELECT last_name, hire_date
FROM employees
WHERE hire_date LIKE '1994%';
```

Output

last_name	hire_date
Taylor	1994-11-25

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

null)

```
SELECT last_name, job_id
FROM employees
WHERE manager_id IS NULL;
```

Output

last_name	job_id
Baker	SA_REP
Smith	AD_VP

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 DESC, commission_pct DESC;
```

Output

last_name	salary	commission_pct
Baker	13000	0.2
King	11000	0.15

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

```
SELECT last_name
FROM employees
WHERE last_name LIKE '__a%';
```

Output

last_name
Adams
Grant
Evans
Clark

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

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

Output

last_name
Baker
Evans
Carter

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)

```
SELECT last_name, job_id, salary
FROM employees
WHERE job_id IN ('SA_REP', 'ST_CLERK')
```

Output

last_name	job_id	salary
Baker	SA_REP	13000
Jones	SA_REP	4000
Grant	ST_CLERK	9000
Evans	ST_CLERK	6000
King	SA_REP	11000
Reed	SA_REP	8000
Ford	ST_CLERK	6000
Carter	ST_CLERK	9500
Clark	ST_CLERK	8000

13. Display the last name, salary, and commission for all employees whose commission amount

is 20%. (hints:use predicate logic)

```
SELECT last_name, salary, commission_pct
FROM employees
WHERE commission_pct = 0.20;
```

Output

last_name	salary	commission_pct
Baker	13000	0.2