```
SELECT last_name, salary , job_id,department_id,hire_date
FROM employees
ORDER BY hire_date;
```

**Example:2**

```
SELECT last_name, salary , job_id,department_id,hire_date
FROM employees
ORDER BY hire_date DESC;
```

**Example:3**
**Sorting by column alias**

```
SELECT last_name, salary*12 annsal , job_id,department_id,hire_date
FROM employees
ORDER BY annsal;
```

**Example:4**
**Sorting by Multiple columns**

```
SELECT last_name, salary , job_id,department_id,hire_date
FROM employees
ORDER BY department_id, salary DESC;
```

**Find the Solution for the following:**

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

```
Select last_name , salary
FROM employee
WHERE Salary > 12000 ;
```

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 ;
```

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 employee ;
WHERE Salary NOT Between 5000 and 12000 ;
```

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                    36
WHERE hire_date between TO_DATA (20-FEB-1998)
```

```
TO_DATE ('01-MAY-1998')
ORDER BY hire_data ASC;
```

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 employee
WHERE departmentid IN (20,50)
ORDER BY last_name ASC;
```

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
ORDER BY last_name ASC;
```

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

```
SELECT last_name, hire_data
FROM employees
WHERE TO CHAR ("hire_data, 'YYYY Y") ='1994';
```

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;
```

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, comission_pct
FROM employees
WHERE (commission_pct is not NULL)
ORDER BY Salary DESC (commission_pct DESC);
```

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

```
SELECT last_name
FROM employee
WHERE lcst_name LIKE __a%;
```

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 LastName LIKE '%a%' AND
Last_name '%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.(hints:in,not in)

```
SELECT last_name , job_id salary
FROM employees
WHERE job_id IN ('SA_REP', 'ST_CLERK)
AND salary Not in (2500,3500,7000);
```

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 employee
WHERE commission_pct = 0.2;
```

| Evaluation Procedure | Marks awarded |
|---|---|
| Query(5) | 5 |
| Execution (5) | 5 |
| Viva(5) | 5 |
| Total (15) | 15 |
| Faculty Signature | 9/7/25 |