```
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 annual , job_id,department_id,hire_date
FROM employees
ORDER BY annual;
```

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 employees
WHERE salary >12000;
```

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

```
SELECT last_name , department_number
FROM employees
WHERE employee_number = 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 employees
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 , salaried_date
FROM employees
WHERE start_date BETWEEN '20-FEB-1998' AND
'1-may-1998'
ORDER BY start_date DESC
```

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_number
FROM employees
WHERE department.number IN(20,50)
ORDER BY last_name;
```

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, salary FROM employees
WHERE salary BETWEEN 5000 AND 12000
AND department_number IN (20,50)
ORDER BY last_name;
```

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 '%94';
```

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

```
SELECT last_name, job_title
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, commission FROM employees
WHERE commission IS NOT NULL
ORDER BY salary DESC, commission DESC;
```

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%';
```

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%e%' OR last_name
LIKE '%e%a%'
```

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, salary FROM employees
WHERE job IN('sales representative', 'stock 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 FROM employees
WHERE salary commission = 0.20
```

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	