Exercise 1

Question 1

1 write a SQL query to retrive all columns from the employees table.

Answer

```
SELECT *
From employees;
```

2 SELECT DISTINCT department

```
From Employees;
```

3 write a SQL query to retrieve all employees first and last names, order by Salary in descending order.

Answer

```
SELECT first_name,
       last_name
From employees
Order By Salary Desc;
```

4 Write a SQL query to retrive the top 5 highest-paid employees

Solution

```
SELECT *
From employees
Order BY salary Desc
LIMIT 5;
```

5 Write a SQL query to find employees who work in IT department

```
SELECT *
From employees
WHERE department = 'IT';
```

6) write a SQL query to find employees who work in Finance department AND have a salary greater than 58,000

Solution

```
SELECT *
FROM employees
WHERE department = FINANCE
AND Salary > 58000;
```

7 Write a SQL query to find employees who works in the HR department or Marketing department

```
SELECT *
FROM employees
WHERE department = 'HR'
    OR department = 'marketing';
```

8, Write a SQL query to employees who do not work in the IT department

```
SELECT *
FROM employees
WHERE department <> 'IT';
```

9 Write a SQL query to find employees in the HR, IT or Finance department

```
SELECT *
FROM employees
WHERE department IN ('HR', 'IT', 'Finance');
```

10 Write a SQL query to find employees who are in the IT department, have salary greater than 50 000 and are located in New York

```
SELECT *
FROM employees
WHERE department = 'IT'
 AND Salary > 50 000
 AND City = 'New york';
```

11, Write a SQL query to retrieve the first and last names of employees who work in the finance or Marketing department earn more than 52 000 and order the results by salary in descending order.

```
SELECT first_name,
       last_name

FROM employees
WHERE (department = finance' or department = 'marketing')
AND Salary > 52 000
ORDER BY salary DESC;
```

12, Write a SQL query to retrieve employees who are not in the finance department, have a salary greater than 50 000, and order the results by hire date in ascending order.

```
SELECT *
from employees
WHERE department <> finance
AND Salary > 50000
ORDER BY hire-date ASC;
```

14 write a SQL query to find the First 3 employees who work in either Chicago or Los Angeles and belongs to the IT or Marketing department.

```
SELECT *
FROM employees
WHERE City IN('Chicago', 'Los Angeles')
AND department IN('IT', 'Marketing')
LIMIT 3;
```