Homework 9

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```
Problem 1
SELECT
      first_name AS FirstName,
      last_name AS LastName
FROM employees;
Problem 2
SELECT
      DISTINCT department_id
FROM employees;
Problem 3
SELECT
      first_name,
      last_name,
      salary,
      0.15*salary AS PF
FROM employees
ORDER BY first_name DESC;
Problem 4
SELECT
      CONCAT(first_name, '', last_name) AS name,
      salary
FROM employees
WHERE
      salary NOT BETWEEN 10000 AND 15000
      AND department_id IN (30,100);
Problem 5
SELECT
      first name
FROM employees
WHERE
      POSITION('a' IN first_name) != 0
      AND POSITION('b' IN first_name) != 0;
```

Problem 6

```
SELECT
      last_name,
      job_title,
      salary
FROM employees e
LEFT JOIN jobs j
      ON e.job_id = j.job_id
WHERE
      e.job_id IN ('IT_PROG', 'SH_CLERK')
      AND salary NOT IN (4500, 10000, 15000);
Problem 7
SELECT
      last_name
FROM employees
WHERE
      LENGTH(last_name) = 5;
Problem 8
SELECT
      CONCAT(first_name, '', last_name) AS name,
      job_title,
      e.department_id,
      department_name
FROM employees e
LEFT JOIN jobs j
      ON e.job_id = j.job_id
LEFT JOIN departments d
      ON e.department_id = d.department_id
LEFT JOIN locations I
      ON d.location_id = I.location_id
WHERE
      city = 'London';
```

Problem 9

```
SELECT
employee_id,
a.job_id,
job_title,
min_salary
FROM job_history a
LEFT JOIN jobs b
ON a.job_id = b.job_id;

Problem 10

SELECT
COUNT(DISTINCT job_id)
FROM employees;
```