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SET search_path TO hrschema;

```
-- Câu a
SELECT CONCAT(first name, '', last name) AS name, salary,
salary*0.15 AS fifteen_percent_salary
FROM employees
-- Câu b
SELECT SUM(salary) AS tong tien luong
FROM employees
-- Câu c
SELECT
    ROUND(MAX(salary), 2),
    ROUND(MIN(salary), 2),
    ROUND(AVG(salary), 2),
    COUNT(employee_id)
FROM employees
-- Câu d
SELECT DISTINCT(job_id), job_title
FROM jobs
ORDER BY job id
```

```
-- Câu e
SELECT MAX(e.salary)
FROM employees AS e
INNER JOIN jobs AS j ON e.job id = j.job id
WHERE j.job title = 'Programmer'
-- Câu f
SELECT (MAX(salary) - MIN(salary)) AS chenh lech luong
FROM employees
-- Câu g
WITH managers AS (
SELECT*
FROM employees
WHERE employees.employee_id
IN (SELECT DISTINCT(manager_id) FROM employees)
)
SELECT
    CONCAT(m.first_name, ' ', m.last_name) AS manager_name
FROM managers AS m
-- Câu h
SELECT ql.manager id, MIN(nv.salary)
FROM employees AS nv
```

INNER JOIN employees AS ql on nv.employee_id = ql.manager_id GROUP BY ql.manager id

```
-- Câu i
WITH PhongBan AS (
SELECT d.department id, d.department name, SUM(e.salary) AS
tong luong
FROM employees AS e
INNER JOIN departments AS d on e.department id =
d.department id
GROUP BY d.department id, d.department name
)
SELECT *
FROM PhongBan
WHERE tong luong > 30000
-- Câu j
SELECT
     CONCAT(e.first name, '', e.last name) AS name,
    j.job title,
     e.salary
FROM employees AS e
INNER JOIN jobs AS j ON e.job_id = j.job_id
WHERE j.job title != 'Programmer'
AND j.job_title != 'Shipping Clerk'
```

```
-- Câu k
SELECT d.department name, COUNT(e.employee id) AS
so_nhan_vien, FLOOR(AVG(e.salary)) AS luong_tbinh
FROM employees AS e
INNER JOIN departments AS d ON e.department id =
d.department id
GROUP BY d.department name
HAVING (COUNT(e.employee id)) > 5
-- Câu 1
SELECT j.job_title, FLOOR(AVG(e.salary)) AS luong tbinh
FROM employees AS e
INNER JOIN jobs AS j ON e.job id = j.job id
GROUP BY j.job title
-- Câu m
WITH managers AS (
SELECT *
FROM employees
WHERE employees.employee id
IN (SELECT DISTINCT(manager_id) FROM employees)
)
SELECT
```

```
CONCAT(m.first name, '', m.last name) AS name,
     d.department name,
     c.country name
FROM managers AS m
JOIN departments AS d ON m.department id = d.department id
JOIN locations AS 1 ON d.location id = 1.location id
JOIN countries AS c ON 1.country id = c.country id
-- Câu n
SELECT
    j.job title,
     CONCAT(e.first name, '', e.last name) AS name,
     (e.salary - (SELECT MIN(salary) FROM employees)) AS
chenh_lech_luong
FROM employees AS e
INNER JOIN jobs AS j ON e.job id = j.job id
ORDER BY chenh lech luong DESC
LIMIT 3;
```