**第一题：**

SELECT

e.emp\_no,

dm.emp\_no AS manager\_no,

s.salary AS emp\_salary,

m.salary AS manager\_salary

FROM

dept\_emp e

JOIN

dept\_manager dm ON e.dept\_no = dm.dept\_no

AND e.emp\_no = dm.emp\_no

JOIN

salaries s ON e.emp\_no = s.emp\_no

AND s.to\_date = '9999-01-01'

JOIN

salaries m ON dm.emp\_no = m.emp\_no

AND m.to\_date = '9999-01-01'

WHERE

e.to\_date = '9999-01-01'

AND dm.to\_date = '9999-01-01'

AND s.salary > m.salary;

**第二题：**

SELECT

d.dept\_no,

d.dept\_name,

t.title,

COUNT(\*) AS count

FROM

departments d

JOIN

dept\_emp e ON d.dept\_no = e.dept\_no AND e.to\_date = '9999-01-01'

JOIN

titles t ON e.emp\_no = t.emp\_no AND t.to\_date = '9999-01-01'

GROUP BY

d.dept\_no, d.dept\_name, t.title

ORDER BY

d.dept\_no, t.title;