

a. SELECT E.ID
FROM employee AS E, works AS W
WHERE E.ID = W.ID AND W.Comp_name \neq 'First Bank Corporation';

b. SELECT E.ID E.name E.city
FROM employee AS E,
(SELECT (*) FROM works
WHERE Comp_name \neq 'First Bank Corporation'
AND salary > 10000) AS W
WHERE E.ID = W.ID;

c. SELECT E.ID
FROM employee AS E, works AS W
WHERE E.ID = W.ID
AND W.salary > SELECT MAX(salary) FROM works
WHERE Company_name = 'small Bank corporation'

d. R1 = SELECT (DISTINCT city)
FROM company
WHERE Company_name = 'small Bank corporation';

SELECT Company_name FROM R1, company
WHERE Company.city = some (R1);

e. R1 = SELECT Company_name, COUNT(ID) AS count
FROM works GROUP BY Company_name;

SELECT Company_name FROM R1
Where count \geq MAX(count);

p. $R1 = \text{SELECT comp_name, AVG(salary) AS avg}$
 $\text{FROM works GROUP BY comp_name};$

$\text{SELECT comp_name FROM R1}$
 $\text{WHERE avg} > (\text{SELECT } a \text{ FROM R1}$
 WHERE comp_name
 $\text{= 'First Bank Corporation'});$

g. $\text{UPDATE employee SET city = 'Newtown'}$
 $\text{WHERE ID} = 12345$

h. $\text{SELECT ID, person_name}$
 $\text{FROM employee AS E, works AS W, company AS C}$
 $\text{WHERE E.ID} = \text{W.ID}$
 $\text{AND W.company_name} = \text{C.company_name}$
 $\text{AND E.city} = \text{C.city};$

i. $\text{SELECT ID, person_name FROM employee, works}$
 $\text{WHERE employee.ID} = \text{works.ID}$
 $\text{works.salary} > \text{AVG(works.salary)};$

j. $\text{SELECT company_name FROM (}$
 $\text{SELECT company_name, SUM(salary) AS sum}$
 $\text{FROM works GROUP BY company_name}$
 $\text{HAVING sum} = \text{MIN(sum)});$

k. $\text{UPDATE works SET salary} = \text{salary} * 1.1$
 $\text{WHERE company_name} = \text{'First Bank Corporation'};$

l. DELETE FROM works
 $\text{WHERE company_name} = \text{'Small Bank Corporation'};$

