Database assignment

1. 4
2. 6
3. 24
4. 4
5. 7
6. 2
7. 9
8. no
9. No
10. select lname

from employee e inner join dependent d on(e.ssn = d.essn)

where d.relationship = 'Daughter'

intersect

select lname

from employee e inner join dependent d on(e.ssn = d.essn)

where d.relationship = 'Son'

intersect

select lname

from employee e inner join dependent d on(e.ssn = d.essn)

where d.relationship = 'Spouse'

1. select e.lname

from employee e

where (

select count(\*)

from dependent d

where d.essn = e.ssn and d.relationship = 'Son'

) = 1

and (

select count(\*)

FROM dependent d

WHERE d.essn = e.ssn and d.relationship = 'Daughter'

) = 1

and (

select count(\*)

from dependent d

where d.essn = e.ssn and d.relationship = 'Spouse'

) = 1;

1. WITH recursive RecursiveReporting AS (

SELECT employee\_id, last\_name, reports\_to

FROM employees

WHERE employee\_id = 99

UNION ALL

SELECT e.employee\_id, e.last\_name, e.reports\_to

FROM employees e

JOIN RecursiveReporting r ON e.reports\_to = r.employee\_id

)

SELECT DISTINCT last\_name

FROM RecursiveReporting;

1. Select \*

From employee\_territories et

Where et.employee\_id not in (select e.employee\_id from employees e)

1. SELECT fname, COUNT(\*) AS frequency

FROM (

SELECT fname FROM Employee

UNION ALL

SELECT dependent\_name AS fname FROM Dependent

) AS all\_names

GROUP BY fname;

ORDER BY frequency DESC;