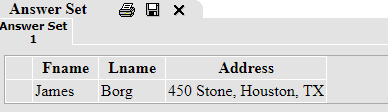
CSCI 425 Homework #2

1. SELECT Fname, Lname, Address

FROM Employee

WHERE Super\_ssn IS NULL;



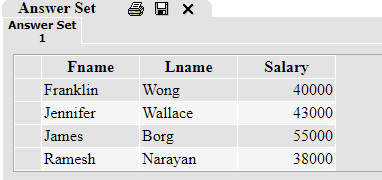
1. SELECT Fname, Lname, Salary

FROM Employee

WHERE Salary >

(SELECT AVG(Salary)

FROM Employee);



1. SELECT Dname, COUNT(\*) AS "Males More Than 30K"

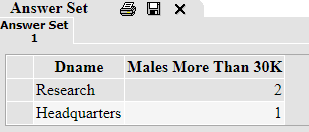
FROM Employee as e, Department as d

WHERE Sex = 'M'

AND Salary > 30000

AND e.Dno = d.Dnumber

GROUP BY Dname;



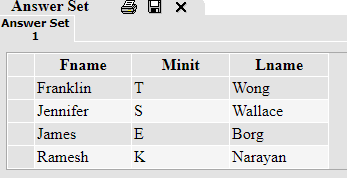
1. SELECT Fname, Minit, Lname

FROM Employee

WHERE Salary >=

((SELECT MIN(Salary)

FROM Employee) + 10000);

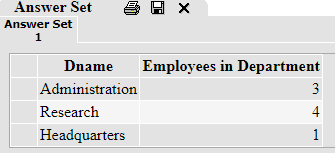


1. SELECT Dname, COUNT(\*) as "Employees in Department"

FROM Employee as e, Department as d

WHERE e.Dno = d.Dnumber

GROUP BY Dname;



1. SELECT DISTINCT e.Fname, e.Lname, t1.Projects as num\_projects

FROM

(SELECT COUNT(\*) as "Projects", Dnum

FROM Project as p

GROUP BY Dnum) t1,

Employee as e,

Department as d,

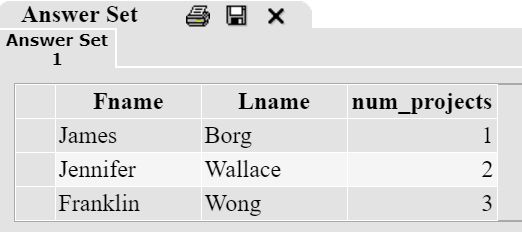
Project as p

WHERE d.Mgr\_ssn = e.Ssn

AND p.Dnum = d.Dnumber

AND t1.Dnum = p.Dnum

ORDER BY num\_projects;



1. SELECT Dname, d.Dnumber, Mgr\_ssn, Mgr\_start\_date,

CASE WHEN Dlocation = 'Sugarland'

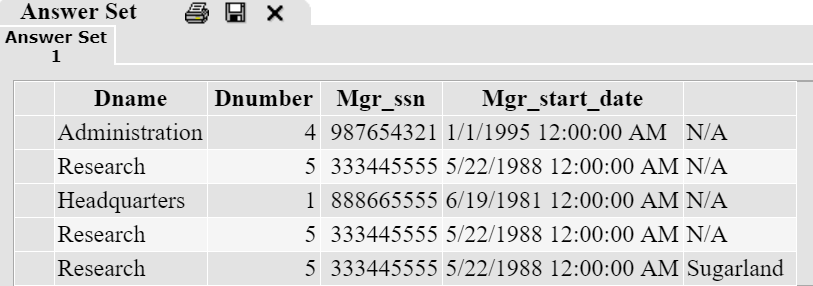
THEN Dlocation

ELSE 'N/A'

END

FROM Department as d, Dept\_Locations as d\_loc

WHERE d\_loc.Dnumber = d.Dnumber;



1. SELECT Pname,

CASE WHEN Pname = 'Computerization'

THEN e.Fname

ELSE 'N/A'

END,

CASE WHEN Pname = 'Computerization'

THEN e.Lname

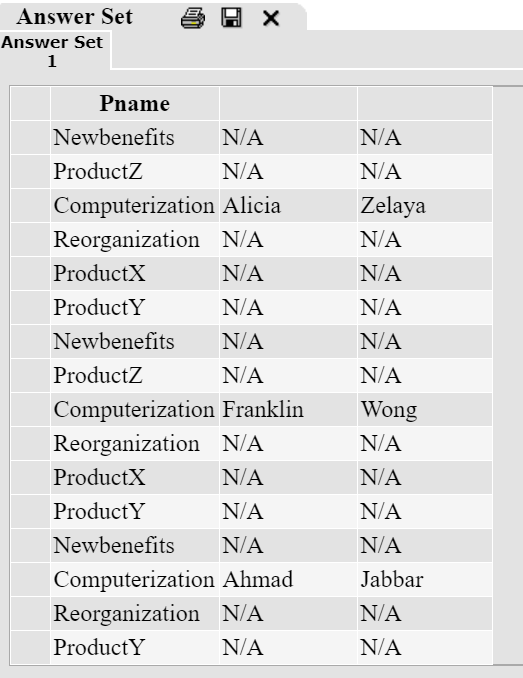
ELSE 'N/A'

END

FROM Project as p, Works\_on as w, Employee e

WHERE p.Pnumber = w.Pno

AND e.Ssn = w.Essn;

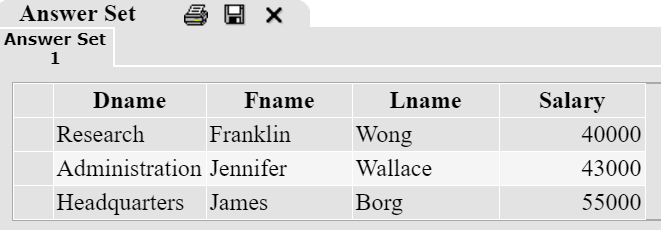


1. CREATE VIEW department\_info

AS SELECT Dname, Fname, Lname, Salary

FROM Department AS d, Employee AS e

WHERE d.Mgr\_ssn = e.Ssn;



1. CREATE VIEW research\_info

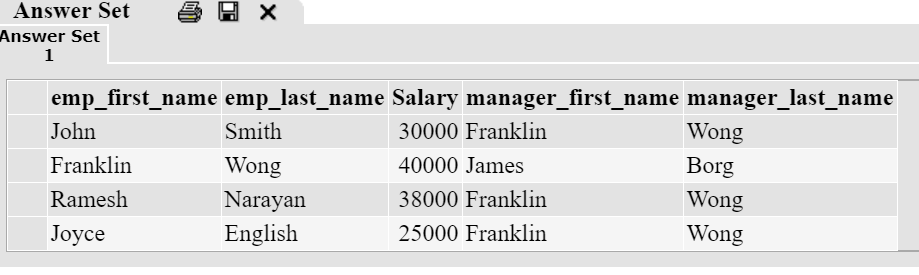
AS SELECT e.Fname AS emp\_first\_name, e.Lname AS emp\_last\_name, e.Salary, manager.Fname manager\_first\_name, manager.Lname manager\_last\_name

FROM Employee AS e

FULL OUTER JOIN Department ON Department.Dnumber = e.Dno

LEFT JOIN Employee as manager on e.Super\_ssn = manager.Ssn

WHERE Dname = 'Research';



1. CREATE VIEW Project\_Info

AS SELECT DISTINCT Dname, p.Pname, pInfo.num\_employees, pInfo.hours

FROM Project AS p

JOIN Department as d ON p.Dnum = d.Dnumber

FULL OUTER JOIN Works\_on as w ON w.Pno = p.Pnumber

JOIN

(SELECT Pname, COUNT(\*) as num\_employees, SUM(Hours) as hours

FROM Project AS p

JOIN Department as d ON p.Dnum = d.Dnumber

FULL OUTER JOIN Works\_on as w ON w.Pno = p.Pnumber

GROUP BY Pname)

AS pInfo

ON p.Pname = pInfo.Pname;

