

## LeDarius Patterson

1. SELECT COUNT(\*) FROM EMPLOYEE  
WHERE SEX = 'F';
2. SELECT AVG(salary), MIN(Salary), MAX(Salary)  
FROM EMPLOYEE WHERE SEX = 'M'
3. SELECT EMPLOYEE.Fname,  
PROJECT.Pname  
FROM WORKS\_ON  
LEFT JOIN EMPLOYEE ON WORKS\_ON.Essn=EMPLOYEE.Ssn  
LEFT JOIN PROJECT ON WORKS\_ON.Pno= PROJECT.Pnumber;
4. SELECT PROJECT.Pname,  
DEPARTMENT.Dname  
FROM PROJECT  
LEFT JOIN DEPARTMENT ON PROJECT.Dnum  
DEPARTMENT.Dnumber;
5. SELECT PROJECT.Pname  
DEPARTMENT.Dname, EMPLOYEE.Fname  
FROM DEPARTMENT  
RIGHT JOIN PROJECT ON  
DEPARTMENT.Dnumber = PROJECT.Dnum  
LEFT JOIN EMPLOYEE ON  
DEPARTMENT.Mgr\_ssn = EMPLOYEE.Ssn.
6. SELECT EMPLOYEE.Fname  
FROM WORKS\_ON  
WHERE PROJECT.Pname = "ProjectX"  
LEFT JOIN EMPLOYEE ON WORKS\_ON.Essn=EMPLOYEE.Ssn  
LEFT JOIN PROJECT ON WORKS\_ON.Pno=PROJECT.Pnumber;
7. SELECT Fname, Name FROM EMPLOYEE  
WHERE Salary = (SELECT MAX(Salary) FROM EMPLOYEE  
WHERE Sex = 'M' );
8. SELECT Fname, Lname FROM EMPLOYEE  
WHERE Ssn NOT IN (SELECT Essn FROM WORKS\_ON);
9. SELECT EMPLOYEE.Fname,  
DEPENDENT.Essn  
FROM (SELECT Essn, COUNT (\*) AS CNT  
FROM DEPENDENT GROUPBY Essn) WHERE  
CNT>1  
LEFT JOIN EMPLOYEE ON DEPENDENT.Essn  
=EMPLOYEE.Ssn;
10. SELECT Fname  
CASE WHEN Super\_ssn = (SELECT Ssn FROM EMPLOYEE)  
THEN Fname END AS 'Department\_Manager'  
FROM EMPLOYEE;