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CPSC-4620-001
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Homework #3

1. Who works on the reorganization project?

```
SELECT Fname, Minit, Lname
FROM EMPLOYEE
WHERE Ssn = ALL (SELECT Essn
                  FROM WORKS_ON
                  WHERE Pno = ALL (SELECT Pnumber
                                    FROM PROJECT
                                    WHERE Pname = 'Reorganization'));
```

2. Who works on a project located in Houston?

```
SELECT Fname, Minit, Lname
FROM EMPLOYEE
WHERE Dno = ALL (SELECT Dnumber
                  FROM DEPT_LOCATIONS
                  WHERE Dlocation = 'Houston');
```

3. Which employees have a spouse?

```
SELECT Fname, Minit, Lname
FROM EMPLOYEE
WHERE Ssn = ALL (SELECT Essn
                  FROM DEPENDENT
                  WHERE Relationship = 'Spouse');
```

4. Which employee lives on a street named "Castle"?

```
SELECT Fname, Minit, Lname
FROM EMPLOYEE
WHERE Address LIKE '%Castle%';
```

5. Tell me the names and addresses of all the managers.

```
SELECT Fname, Minit, Lname, Address
FROM EMPLOYEE, DEPARTMENT
WHERE Ssn = Mgr_ssn;
```

6. Show the names of all employees making more than \$30,000 but less than \$50,000.

```
SELECT Fname, Minit, Lname  
FROM EMPLOYEE  
WHERE Salary BETWEEN 30000 AND 50000;
```

7. Show the project name, number, and location for all projects with “Product” in the product name.

```
SELECT Pname, Pnumber, Plocation  
FROM PROJECT  
WHERE Pname LIKE '%Product%';
```

8. The company has decided to update their minimum salary to \$30,000. Since raising the minimum salary should benefit everyone, give everyone who made \$30,000 a year or more a 10% raise.

```
UPDATE EMPLOYEE  
SET Salary = Salary * 1.1  
WHERE Salary >= 30000;
```

9. Now that we have given a raise to everyone making \$30,000 or more, give any employee who makes less than \$30,000 a year to meet this new minimum salary of \$30,000 a year.

```
UPDATE EMPLOYEE  
SET Salary = 30000  
WHERE Salary < 30000;
```

10. Change the New Benefits project to be under department 1.

```
UPDATE PROJECT  
SET Dnum = 1  
WHERE Pname = 'Newbenefits';
```