

CPSC 4620 - Homework 3
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1. Who works on the Reorganization project?

```
SELECT EMPLOYEE.Fname, EMPLOYEE.Lname
FROM WORKS_ON
INNER JOIN EMPLOYEE
    on EMPLOYEE.Ssn = WORKS_ON.Essn
INNER JOIN PROJECT
    on PROJECT.Pnumber = WORKS_ON.Pno
WHERE Pname = 'Reorganization';
```

Fname	Lname
Franklin	Wong
Jennifer	Wallace
James	Borg

2. Who works on a project in Houston?

```
SELECT EMPLOYEE.Fname, EMPLOYEE.Lname
FROM WORKS_ON
INNER JOIN EMPLOYEE
    on EMPLOYEE.Ssn = WORKS_ON.Essn
INNER JOIN PROJECT
    on PROJECT.Pnumber = WORKS_ON.Pno
WHERE Plocation = 'Houston';
```

Fname	Lname
Ramesh	Narayan
Franklin	Wong
Jennifer	Wallace
James	Borg

3. Which employees have a spouse?

```
SELECT EMPLOYEE.Fname, EMPLOYEE.Lname
FROM DEPENDENT
INNER JOIN EMPLOYEE
    on EMPLOYEE.Ssn = DEPENDENT.Essn
WHERE Relationship = 'Spouse';
```

Fname	Lname
Franklin	Wong
Jennifer	Wallace
John	Smith

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

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

Fname	Lname
Alicia	Zelaya

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

```
SELECT EMPLOYEE.Fname, EMPLOYEE.Lname, EMPLOYEE.Address
FROM DEPARTMENT
INNER JOIN EMPLOYEE
    on Employee.Ssn = DEPARTMENT.Mgr_ssn;
```

Fname	Lname	Address
Franklin	Wong	638 Voss, Houston, TX
Jennifer	Wallace	291 Berry, Bellaire, TX
James	Borg	450 Stone, Houston, TX

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

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

Fname	Lname
Franklin	Wong
Jennifer	Wallace
Ramesh	Narayan

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%';
```

Pname	Pnumber	Plocation
ProductX	1	Bellaire
ProductY	2	Sugarland
ProductZ	3	Houston

8. The company has decided to update their minimum salary to \$30,000. Give any employee who makes less than \$30,000 a year a raise to meet this new minimum.

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

9. 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;
```

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

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