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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, WORKS_ON, PROJECT
WHERE Ssn = Essn AND Pno = Pnumber AND Pname = 'Reorganization';
```

Fname	Minit	Lname
James	E	Borg
Jennifer	S	Wallace
Franklin	T	Wong

2. Who works on a project located in Houston?

```
SELECT DISTINCT Fname, Minit, Lname
FROM EMPLOYEE, PROJECT, WORKS_ON
WHERE Ssn = Essn AND Pno = Pnumber AND Plocation = 'Houston';
```

Fname	Minit	Lname
James	E	Borg
Jennifer	S	Wallace
Franklin	T	Wong
Ramesh	K	Narayan

3. Which employees have a spouse?

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

Fname	Minit	Lname
Jennifer	S	Wallace
Franklin	T	Wong
John	B	Smith

4. Which employee lives on a street named “Castle”?

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

Fname	Minit	Lname
Alicia	J	Zelaya

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

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

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

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 > 30000 AND Salary < 50000;
```

Fname	Minit	Lname
Jennifer	S	Wallace
Franklin	T	Wong
Ramesh	K	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. 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';
```