For the following tables, answer the questions below them.

```
CREATE TABLE Project (
                                    CREATE TABLE Vehicle (
  PID INTEGER (7) PRIMARY KEY,
                                    VID INTEGER (7) PRIMARY KEY,
 Pname VARCHAR(30) NOT NULL
                                     Vmodel VARCHAR(30) NOT
                                    NULL,
);
                                     EID INTEGER (7) NOT NULL,
CREATE TABLE Employee (
                                      CONSTRAINT Veh EID FK
 EID INTEGER(7) PRIMARY KEY,
Ename VARCHAR(30) NOT NULL,
                                        FOREIGN KEY (EID)
                                       REFERENCES Employee (EID)
                               );
  PID INTEGER (7) NOT NULL,
                                        ON DELETE CASCADE
  CONSTRAINT Proj EID FK
    FOREIGN KEY(PID)
    REFERENCES Project(PID) CREATE TABLE Manager (
    ON DELETE CASCADE
                                      MID INTEGER (7) PRIMARY KEY,
);
                                      Mname VARCHAR(30) NOT NULL,
                                      PID INTEGER (7) NOT NULL,
                                      CONSTRAINT Proj EID FK
                                        FOREIGN KEY (PID)
                                        REFERENCES Project (PID)
                                        ON DELETE CASCADE
                                    );
```

1. List all projects, displaying the project names and employee names associated with the projects. (5 results)

```
SELECT p.Pname, e.Ename

FROM Project p, Employee e

WHERE p.PID = e.PID;

OR

SELECT p.Pname, e.Ename

FROM Project p JOIN Employee e

ON p.PID = e.PID;

OR

SELECT p.Pname, e.Ename

FROM Project p JOIN Employee e

USING (PID);
```

2. Display the project name and employee names associated with project named "Alpha". (2 results)

```
SELECT p.Pname, e.Ename
FROM Project p, Employee e
WHERE p.PID = e.PID
AND p.Pname = "Alpha";
OR
SELECT p.Pname, e.Ename
```

Join Query Exercise Solutions

```
FROM Project p JOIN Employee e
USING (PID)
WHERE p.Pname = "Alpha";
```

3. List all projects and employees, displaying project names and employee names. Also, include employees that are not associated with a project. (5 results)

```
SELECT p.Pname, e.Ename
FROM Project p
RIGHT JOIN Employee e
ON (e.PID = p.PID);
```

4. List all employee names and vehicle models. Include employees that are not assigned to a vehicle. (7 results)

```
SELECT e.Ename, v.Vmodel
FROM Employee e
LEFT JOIN Vehicle v
ON (v.EID = e.EID);
```

5. List all projects and include all employee names and manager names associated with the project. (5 results)

```
SELECT p.Pname, e.Ename, m.Mname
FROM Project p, Employee e, Manager m
WHERE p.PID = e.PID
AND p.PID = m.PID;

OR
SELECT p.Pname, e.Ename, m.Mname
FROM Project p JOIN Employee e JOIN Manager m
ON p.PID = e.PID AND p.PID = m.PID;

***NOTE: You cannot use the USING keyword with more than 2
joined tables as it will result in the following error
"Column 'PID' in from clause is ambiguous"***
```