

## Join Query Exercises

For the following tables, answer the questions below them.

```
CREATE TABLE Project (  
  PID INTEGER(7) PRIMARY KEY,  
  Pname VARCHAR(30) NOT NULL  
);
```

```
CREATE TABLE Employee (  
  EID INTEGER(7) PRIMARY KEY,  
  Ename VARCHAR(30) NOT NULL,  
  PID INTEGER(7) NOT NULL,  
  CONSTRAINT Proj_EID_FK  
    FOREIGN KEY (PID)  
      REFERENCES Project (PID)  
    ON DELETE CASCADE  
);
```

```
CREATE TABLE Vehicle (  
  VID INTEGER(7) PRIMARY KEY,  
  Vmodel VARCHAR(30) NOT  
  NULL,  
  EID INTEGER(7) NOT NULL,  
  CONSTRAINT Veh_EID_FK  
    FOREIGN KEY (EID)  
      REFERENCES Employee (EID)  
    ON DELETE CASCADE  
);
```

```
CREATE TABLE Manager (  
  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)**
2. Display the project name and employee names associated with project named “Alpha”. **(2 results)**
3. List all projects and employees, displaying project names and employee names. Also, include employees that are not associated with a project. **(5 results)**
4. List all employee names and vehicle models. Include employees that are not assigned to a vehicle. **(7 results)**
5. List all projects and include all employee names and manager names associated with the project. **(5 results)**