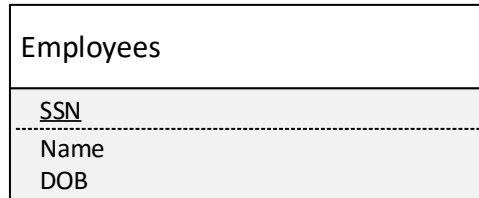


Converting Entities to the Relational model

This is the easiest of activities converting to relational models from an ER diagram. Given the following:



This simply becomes a relation (table) called Employees. Below is the SQL for this:

```
CREATE TABLE Employees (  
    SSN CHAR(9),  
    Name CHAR(30),  
    DOB DATE,  
    PRIMARY KEY (SSN))
```

By defining the types, we begin to establish the domain constraints. We can further that by saying that the name and date of birth must have information in them (i.e. not null). This looks like:

```
CREATE TABLE Employees (  
    SSN CHAR(9),  
    Name CHAR(30) NOT NULL,  
    DOB DATE NOT NULL,  
    PRIMARY KEY (SSN))
```