

CSC343 Worksheet 5 Solution

June 18, 2020

```
1. a) CREATE TABLE MovieExec (  
2     name CHAR(30),  
3     address VARCHAR(255),  
4     cert# INT PRIMARY KEY,  
5     FOREIGN KEY (cert#) REFERENCES Movies(producerC#)  
6 );  
7
```

Example:

- Foreign-key
 - **Syntax 1:** FOREIGN KEY (< attributes >) REFERENCES < table >(< attributes >)
 - **Syntax 2:** REFERENCES < table >(< attributes >)
 - Binds an attribute of one relation to an attribute in another table
 - Added when creating table

Example:

```
1 // Example 1  
2 CREATE TABLE Studio (  
3     name CHAR(30) PRIMARY KEY,  
4     address VARCHAR(255),  
5     presC# INT REFERENCES MovieExec(cert#)  
6 );  
7  
8 // Example 2  
9 CREATE TABLE Studio (  
10    name CHAR(30) PRIMARY KEY,  
11    address VARCHAR(255),  
12    presC# INT,  
13    FOREIGN KEY (presC#) REFERENCES MovieExec(cert#)  
14 );  
15
```