

Heimadæmi – heimadæmi 9

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1.

```
CREATE TABLE Movies (  
    title varchar(25),  
    year int,  
    length int,  
    genre varchar(25),  
    starName varchar(25),  
    studioName varchar(25),  
    PRIMARY KEY (title, year),  
    FOREIGN KEY (starName) REFERENCES Stars(name),  
    FOREIGN KEY (studioName) REFERENCES Studio(name)  
);  
CREATE TABLE STARS (  
    name varchar(25),  
    address varchar(25),  
    MovieTitle varchar(25),  
    MovieYear int,  
    PRIMARY KEY(name),  
    FOREIGN KEY(MovieTitle, Movieyear) REFERENCES Movies(title, year)  
);  
CREATE TABLE Stars-In(  
    name varchar(25),  
    title varchar(25),  
    year int,  
    PRIMARY KEY(name, title, year),  
    FOREIGN KEY (name) REFERENCES Stars(name),  
    FOREIGN KEY (title, year) REFERENCES Movies(title, year)  
);  
CREATE TABLE Studios (  
    name varchar(25),  
    address varchar(25),  
    PRIMARY KEY(name)  
);
```

2.

```
CREATE TABLE Studios(  
    name varchar(25),  
    addr varchar(25),  
    PRIMARY KEY(name)  
);  
CREATE TABLE Crews(  
    number int,  
    crewChief varchar(25),  
    PRIMARY KEY(number, Studios.name),  
    FOREIGN KEY (StudioName) REFERENCES Studios(name) NOT NULL  
);
```

3.

```
CREATE TABLE Customers(  
    SSNo int,  
    name varchar(25),  
    addr varchar(25),  
    phone int,  
    PRIMARY KEY(SSNo)  
);  
CREATE TABLE Flights(  
    number varchar(25),  
    day varchar(25),  
    aircraft varchar(25),  
    PRIMARY KEY(number, day)  
);  
CREATE TABLE Bookings(  
    row int,  
    seat varchar(25),  
    CustomerSSNo int,  
    FlightNumber varchar(25),  
    FlightDay varchar(25),  
    PRIMARY KEY(CustomerSSNo, FlightNumber, FlightDay);  
    FOREIGN KEY (CustomerSSNo) REFERENCES Customers(SSNo) NOT NULL  
    FOREIGN KEY (FlightNumber, FlightDay)  
        REFERENCES Flights(number, day) NOT NULL  
);
```