

Gagnasafnsfræði Verkefni 9

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1

```
CREATE TABLE Stars
```

```
(  
  name VARCHAR(50),  
  address VARCHAR(255),  
  PRIMARY KEY(name)  
);
```

```
CREATE TABLE Studios
```

```
(  
  name VARCHAR(50),  
  address VARCHAR(255),  
  PRIMARY KEY(name)  
);
```

```
CREATE TABLE Movies
```

```
(  
  title VARCHAR(100),  
  year INTEGER,  
  length INTEGER,  
  genre VARCHAR(50),  
  name VARCHAR(50),  
  PRIMARY KEY(title,year),  
  FOREIGN KEY(name) REFERENCES Studios(name)  
);
```

```
CREATE TABLE StarsIn
```

```
(  
  name VARCHAR(50),  
  title VARCHAR(100),  
  year INTEGER,  
  PRIMARY KEY(name,title,year),  
  FOREIGN KEY(name) REFERENCES Stars(name),  
  FOREIGN KEY(title,year) REFERENCES Movies(title,year)  
);
```

2

```
CREATE TABLE Crews
(
  number VARCHAR(25),
  crewChief VARCHAR(50),
  studioName VARCHAR(50),
  PRIMARY KEY(studioName,number),
  FOREIGN KEY(studioName) REFERENCES Studios(name)
);
```

```
CREATE TABLE Studios
(
  name VARCHAR(50),
  addr VARCHAR(255),
  PRIMARY KEY(name)
);
```

3

```
CREATE TABLE Customers
```

```
(  
  SSno CHAR(9),  
  name VARCHAR(100),  
  addr VARCHAR(255),  
  phone VARCHAR(8),  
  PRIMARY KEY(SSno)  
);
```

```
CREATE TABLE Flights
```

```
(  
  number VARCHAR(10),  
  day DATE,  
  aircraft VARCHAR(50),  
  PRIMARY KEY(number,day)  
);
```

```
CREATE TABLE Bookings
```

```
(  
  row VARCHAR(3),  
  seat VARCHAR(3),  
  SSno CHAR(9),  
  number VARCHAR(10),  
  day DATE,  
  PRIMARY KEY(SSno,number,day),  
  FOREIGN KEY(SSno) REFERENCES Customers(SSno),  
  FOREIGN KEY(number,day) REFERENCES Flights(number,day)  
);
```