

# Heimadæmi 9 - Gagnasafnsfræði

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## 1.

```
CREATE TABLE Stars (  
    name VARCHAR(30),  
    address VARCHAR(30),  
    PRIMARY KEY (name)  
);  
  
CREATE TABLE Studios (  
    name VARCHAR(30),  
    address VARCHAR(30),  
    PRIMARY KEY (name)  
);  
  
CREATE TABLE Movies (  
    title VARCHAR(30),  
    year INT,  
    length INT,  
    genre VARCHAR(30),  
    PRIMARY KEY (title, year),  
    FOREIGN KEY (studioName) REFERENCES Studios(name)  
);  
  
CREATE TABLE Stars_in (  
    name VARCHAR(30),  
    title VARCHAR(30),  
    year INT,  
    PRIMARY KEY (name, title, year)  
);
```

2.

```
CREATE TABLE Crews (  
  number INT,  
  studioName VARCHAR(30),  
  crewChief VARCHAR(30),  
  PRIMARY KEY (number, studioName),  
  FOREIGN KEY (studioName) REFERENCES Studios(name)  
);
```

```
CREATE TABLE Studios (  
  name VARCHAR(30),  
  address VARCHAR(30),  
  PRIMARY KEY (name)  
);
```

3.

```
CREATE TABLE Customers (  
  SSNo VARCHAR(30),  
  name VARCHAR(30),  
  addr VARCHAR(30),  
  phone VARCHAR(30),  
  PRIMARY KEY (SSNo)  
);
```

```
CREATE TABLE Flights (  
  number VARCHAR(20),  
  day DATE,  
  aircraft VARCHAR(30),  
  PRIMARY KEY(number, day)  
);
```

```
CREATE TABLE Bookings (  
  bookingSSNo VARCHAR(30),  
  flightsNumber VARCHAR(20),  
  flightsDay DATE,  
  row VARCHAR(10),  
  seat VARCHAR(10),  
  PRIMARY KEY(bookingSSNo, flightsNumber, flightsDay),  
  FOREIGN KEY (bookingSSNo) REFERENCES Customer(SSNo),  
  FOREIGN KEY (flightsNumber, flightsDay) REFERENCES Flights(number, day)
```