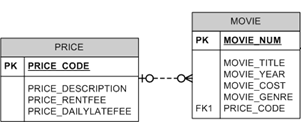
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| --- | --- |

**Lab 4.1 Exercise**

**1. Write MySQL statements to create a database named MovieCo for the following (partial) ERD and Relational Database Schema.**

You will need write MySQL statements to create the database and two tables in that database.

**Figure 1: MovieCo ERD**



# **Relational Database Schema:**

| **Table Name** | **Field** | **Type** | **Description** |
| --- | --- | --- | --- |
| PRICE | PRICE\_CODE | CHAR(2) | PRIMARY KEY |
|  | PRICE\_DESCRIPTION | VARCHAR(20) | NOT NULL |
|  | PRICE\_RENTFEE | DECIMAL(5,2) |  |
|  | PRICE\_DAILYLATEFEE | DECIMAL(5,2) |  |
| MOVIE | MOVIE\_NUM | CHAR(8) | PRIMARY KEY |
|  | MOVIE\_TITLE | VARCHAR(75) | NOT NULL |
|  | MOVIE\_YEAR | CHAR(4) |  |
|  | MOIVE\_COST | DECIMAL(5,2) |  |
|  | MOVIE\_GENRE | VARCHAR(50) |  |
|  | PRICE\_CODE | CHAR(2) | FOREIGN KEY (PRICE\_CODE) REFERENCES PRICE(PRICE\_CODE) |

**Your answer:**

**Price table**

CREATE TABLE `price` (

`PRICE\_CODE` char(2),

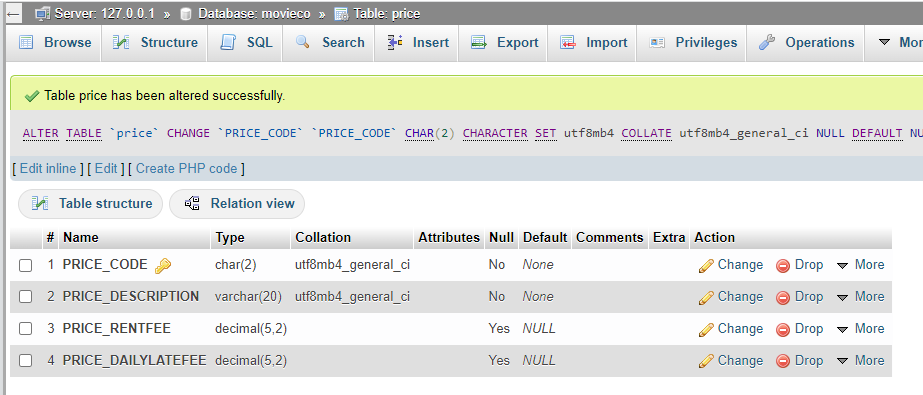
`PRICE\_DESCRIPTION` varchar(20) NOT NULL,

`PRICE\_RENTFEE` decimal(5,2),

`PRICE\_DAILYLATEFEE` decimal(5,2),

PRIMARY KEY (`PRICE\_CODE`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4



**MOVIE**

CREATE TABLE `movie` (

`MOVIE\_NUM` char(8) NOT NULL,

`MOVIE\_TITLE` varchar(75) NOT NULL,

`MOVIE\_YEAR` char(4) DEFAULT NULL,

`MOIVE\_COST` decimal(5,2) DEFAULT NULL,

`MOVIE\_GENRE` varchar(50) DEFAULT NULL,

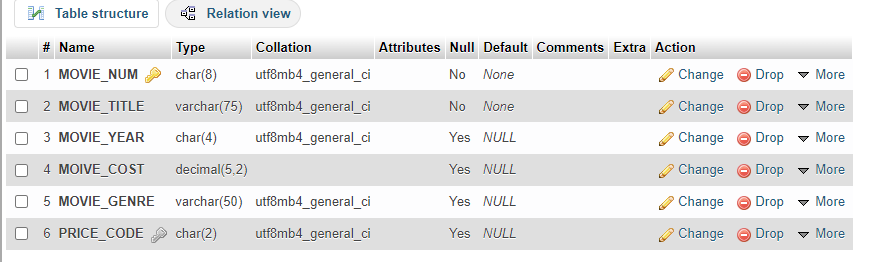
`PRICE\_CODE` char(2) DEFAULT NULL,

PRIMARY KEY (`MOVIE\_NUM`),

KEY `PRICE\_CODE` (`PRICE\_CODE`),

CONSTRAINT `movie\_ibfk\_1` FOREIGN KEY (`PRICE\_CODE`) REFERENCES `price` (`PRICE\_CODE`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4



**2. Now write MySQL statements to insert data into the two tables you just created.**

| **PRICE** | | | |
| --- | --- | --- | --- |
| **Price\_Code** | **Price\_Description** | **Price\_Rentfee** | **Price\_Dailylatefee** |
| 01 | Standard | 2 | 1 |
| 02 | New Release | 3.5 | 3 |

| **MOVIE** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Movie\_Num** | **Movie\_Name** | **Movie\_Year** | **Movie\_Cost** | **Movie\_Genre** | **Price\_Code** |
| 00001234 | The Cesar Family Christmas | 2014 | 39.95 | FAMILY | 02 |
| 00001235 | Smokey Mountain Wildlife | 2011 | 59.95 | ACTION | 01 |

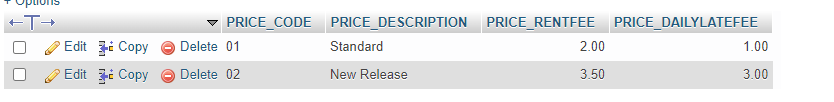
**Your answer:**

**1.**

INSERT INTO price(PRICE\_CODE,PRICE\_DESCRIPTION,PRICE\_RENTFEE,PRICE\_DAILYLATEFEE)

VALUES ('01','Standard','2','1') ,('02','New Release

','3.5','3')



2.

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/insert.html) INTO movie (Movie\_Num,MOVIE\_TITLE,Movie\_Year,MOIVE\_COST,Movie\_Genre,Price\_Code) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_values) ('00001234','The Cesar Family Christmas','2014','39.95','FAMILY','02') ,('00001235','Smokey Mountain Wildlife','2011','59.95','ACTION','01');

