

```
mysql> CREATE TABLE Authors (  
-> AuthorID INT PRIMARY KEY AUTO_INCREMENT,  
-> Name VARCHAR(255) NOT NULL UNIQUE,  
-> BirthYear INT,  
-> Nationality VARCHAR(100)  
-> );
```

Query OK, 0 rows affected (0.18 sec)

```
mysql> CREATE TABLE Categories (  
-> CategoryID INT PRIMARY KEY AUTO_INCREMENT,  
-> CategoryName VARCHAR(100) NOT NULL  
-> );
```

Query OK, 0 rows affected (0.24 sec)

```
mysql> CREATE TABLE Books (  
-> BookID INT PRIMARY KEY AUTO_INCREMENT,  
-> Title VARCHAR(255) NOT NULL,  
-> AuthorID INT,  
-> CategoryID INT,  
-> PublishedYear INT,  
-> Price DECIMAL(10, 2),  
-> FOREIGN KEY (AuthorID) REFERENCES Authors(AuthorID),  
-> FOREIGN KEY (CategoryID) REFERENCES Categories(CategoryID)  
-> );
```

Query OK, 0 rows affected (0.36 sec)

```
mysql> INSERT INTO Authors (Name, BirthYear, Nationality) VALUES  
-> ('F. Scott Fitzgerald', 1896, 'American'),  
-> ('Harper Lee', 1926, 'American'),  
-> ('George Orwell', 1903, 'British'),
```

```
-> ('Herman Melville', 1819, 'American'),  
-> ('Jane Austen', 1775, 'British'),  
-> ('J.D. Salinger', 1919, 'American'),  
-> ('J.R.R. Tolkien', 1892, 'British'),  
-> ('Aldous Huxley', 1894, 'British'),  
-> ('Fyodor Dostoevsky', 1821, 'Russian'),  
-> ('Leo Tolstoy', 1828, 'Russian');
```

Query OK, 10 rows affected (0.03 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
mysql> INSERT INTO Categories (CategoryName) VALUES
```

```
-> ('Fiction'),  
-> ('Non-Fiction'),  
-> ('Dystopian'),  
-> ('Adventure'),  
-> ('Romance'),  
-> ('Fantasy'),  
-> ('Science Fiction'),  
-> ('Philosophical'),  
-> ('Historical'),  
-> ('Biography');
```

Query OK, 10 rows affected (0.03 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
mysql> INSERT INTO Books (Title, AuthorID, CategoryID, PublishedYear, Price) VALUES
```

```
-> ('The Great Gatsby', 1, 1, 1925, 10.99),  
-> ('To Kill a Mockingbird', 2, 1, 1960, 7.99),  
-> ('1984', 3, 3, 1949, 8.99),  
-> ('Moby Dick', 4, 4, 1851, 12.99),  
-> ('Pride and Prejudice', 5, 5, 1813, 6.99),  
-> ('The Catcher in the Rye', 6, 1, 1951, 9.99),
```

```

-> ('The Hobbit', 7, 6, 1937, 15.99),
-> ('Brave New World', 8, 3, 1932, 11.99),
-> ('Crime and Punishment', 9, 8, 1867, 13.99),
-> ('War and Peace', 10, 9, 1869, 14.99);

```

Query OK, 10 rows affected (0.08 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
mysql> CREATE VIEW BookDetails AS
```

```

-> SELECT b.BookID, b.Title, a.Name AS AuthorName, c.CategoryName, b.PublishedYear, b.Price

```

```

-> FROM Books b

```

```

-> JOIN Authors a ON b.AuthorID = a.AuthorID

```

```

-> JOIN Categories c ON b.CategoryID = c.CategoryID;

```

Query OK, 0 rows affected (0.04 sec)

```
mysql> SELECT * FROM Authors;
```

AuthorID	Name	BirthYear	Nationality
1	F. Scott Fitzgerald	1896	American
2	Harper Lee	1926	American
3	George Orwell	1903	British
4	Herman Melville	1819	American
5	Jane Austen	1775	British
6	J.D. Salinger	1919	American
7	J.R.R. Tolkien	1892	British
8	Aldous Huxley	1894	British
9	Fyodor Dostoevsky	1821	Russian
10	Leo Tolstoy	1828	Russian

```

+-----+

```

10 rows in set (0.00 sec)

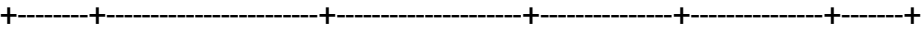
```
mysql> SELECT * FROM Categories;
```

CategoryID	CategoryName
1	Fiction
2	Non-Fiction
3	Dystopian
4	Adventure
5	Romance
6	Fantasy
7	Science Fiction
8	Philosophical
9	Historical
10	Biography

```
10 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM BookDetails;
```

BookID	Title	AuthorName	CategoryName	PublishedYear	Price
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	1925	10.99
2	To Kill a Mockingbird	Harper Lee	Fiction	1960	7.99
3	1984	George Orwell	Dystopian	1949	8.99
4	Moby Dick	Herman Melville	Adventure	1851	12.99
5	Pride and Prejudice	Jane Austen	Romance	1813	6.99
6	The Catcher in the Rye	J.D. Salinger	Fiction	1951	9.99
7	The Hobbit	J.R.R. Tolkien	Fantasy	1937	15.99
8	Brave New World	Aldous Huxley	Dystopian	1932	11.99
9	Crime and Punishment	Fyodor Dostoevsky	Philosophical	1867	13.99
10	War and Peace	Leo Tolstoy	Historical	1869	14.99



10 rows in set (0.00 sec)