BookMyShow app database

**Tables:**

**Threatre**

|  |  |
| --- | --- |
| **Column** | **Key** |
| theatre\_id | PK |
| theatre\_name |  |
| location |  |

|  |
| --- |
| **CREATE** **TABLE** Theatre **(**  theatre\_id INT **PRIMARY** **KEY** AUTO\_INCREMENT**,**  theatre\_name VARCHAR**(**100**)** **NOT** **NULL,**  location VARCHAR**(**100**)** **NOT** **NULL**  **);** |

**Movie**

|  |  |
| --- | --- |
| **Column** | **Key** |
| movie\_id | PK |
| movie\_title |  |
| duration |  |
| genre |  |

|  |
| --- |
| **CREATE** **TABLE** Movie **(**  movie\_id INT **PRIMARY** **KEY** AUTO\_INCREMENT**,**  movie\_title VARCHAR**(**100**)** **NOT** **NULL,**  duration INT **NOT** **NULL,** -- Duration in minutes  genre VARCHAR**(**50**)** **NOT** **NULL**  **);** |

**Show**

|  |  |
| --- | --- |
| **Column** | **Key** |
| show\_id | PK |
| theatre\_id | FK |
| movie\_id | FK |
| show\_date |  |
| show\_time |  |

|  |
| --- |
| **CREATE** **TABLE** Show **(**  show\_id INT **PRIMARY** **KEY** AUTO\_INCREMENT**,**  theatre\_id INT**,**  movie\_id INT**,**  show\_date DATE **NOT** **NULL,**  show\_time TIME **NOT** **NULL,**  **FOREIGN** **KEY** **(**theatre\_id**)** **REFERENCES** Theatre**(**theatre\_id**),**  **FOREIGN** **KEY** **(**movie\_id**)** **REFERENCES** Movie**(**movie\_id**)**  **);** |

**Ticket**

|  |  |
| --- | --- |
| **Column** | **Key** |
| ticket\_id | PK |
| show\_id | FK |
| seat\_number |  |
| price |  |
| booking\_time |  |

|  |
| --- |
| **CREATE** **TABLE** Ticket **(**  ticket\_id INT **PRIMARY** **KEY** AUTO\_INCREMENT**,**  show\_id INT**,**  seat\_number VARCHAR**(**10**)** **NOT** **NULL,**  price DECIMAL**(**10**,** 2**)** **NOT** **NULL,**  booking\_time DATETIME **NOT** **NULL,**  **FOREIGN** **KEY** **(**show\_id**)** **REFERENCES** Show**(**show\_id**)**  **);** |

**SQL DML queries**

|  |
| --- |
| **INSERT** **INTO** Theatre **(**theatre\_name**,** location**)** **VALUES**  **(**'Inox'**,** 'Pune'**),**  **(**'PVR'**,** 'Pimpri'**),**  **(**'City Pride Royal Cinemas'**,** 'Chinchwad'**);** |

|  |
| --- |
| **INSERT** **INTO** Movie **(**movie\_title**,** duration**,** genre**)** **VALUES**  **(**'Demon Slayer: To the Hashira Traning'**,** 103**,** 'Anime'**),**  **(**'Frozen'**,** 102**,** 'Animated musical fantasy com'**),**  **(**'Prometheus'**,** 124**,** 'Sci-Fi'**);** |

|  |
| --- |
| **INSERT** **INTO** Show **(**theatre\_id**,** movie\_id**,** show\_date**,** show\_time**)** **VALUES**  **(**1**,** 1**,** '2024-09-30'**,** '11:30:00'**),**  **(**1**,** 2**,** '2024-09-30'**,** '13:45:00'**),**  **(**2**,** 3**,** '2024-09-30'**,** '16:15:00'**);** |

|  |
| --- |
| **INSERT** **INTO** Ticket **(**show\_id**,** seat\_number**,** price**,** booking\_time**)** **VALUES**  **(**1**,** 'E12'**,** 10.00**,** '2024-09-28 9:10:34'**),**  **(**2**,** 'E13'**,** 10.00**,** '2024-09-28 9:10:34'**),**  **(**3**,** 'D10'**,** 12.00**,** '2024-09-30 12:50:00'**);** |

DQL query

|  |
| --- |
| **SELECT**  M**.**movie\_title**,**  S**.**show\_date**,**  S**.**show\_time  **FROM**  Show S  **JOIN**  Movie M **ON** S**.**movie\_id **=** M**.**movie\_id  **WHERE**  S**.**show\_date **=** '2024-09-30' **AND**  S**.**theatre\_id **=** 1**;** |