**SQL 12-10-2024**

mysql> select \* from author;

+----------+---------------+-----------+-----------+

| authorid | name | birthyear | deathyear |

+----------+---------------+-----------+-----------+

| 1 | J.K. Rowling | 1965 | NULL |

| 2 | George Orwell | 1903 | 1950 |

| 3 | Jane Austen | 1775 | 1817 |

| 4 | Mark Twain | 1835 | 1910 |

| 5 | Isaac Asimov | 1920 | 1992 |

+----------+---------------+-----------+-----------+

5 rows in set (0.00 sec)

mysql> select \* from book;

+--------+---------------------------------------+-------------+------------------+--------+----------+

| bookid | title | publishyear | publishinghouse | rating | authorid |

+--------+---------------------------------------+-------------+------------------+--------+----------+

| 1 | Harry Potter and the Sorcerer's Stone | 1997 | Bloomsbury | 4.90 | 1 |

| 2 | 1984 | 1949 | Secker & Warburg | 4.80 | 2 |

| 3 | Pride and Prejudice | 1813 | T. Egerton | 4.70 | 3 |

| 4 | The Adventures of Tom Sawyer | 1876 | Chatto & Windus | 4.60 | 4 |

| 5 | Foundation | 1951 | Gnome Press | 4.80 | 5 |

+--------+---------------------------------------+-------------+------------------+--------+----------+

5 rows in set (0.00 sec)

mysql> select \* from adaptation;

+-----------+---------------------------------------+-------------+--------+--------+

| type | title | releaseyear | rating | bookid |

+-----------+---------------------------------------+-------------+--------+--------+

| Movie | Harry Potter and the Sorcerer's Stone | 2001 | 4.80 | 1 |

| Movie | 1984 | 1984 | 4.70 | 2 |

| TV Series | Pride and Prejudice | 1995 | 4.60 | 3 |

| Movie | The Adventures of Tom Sawyer | 1938 | 4.50 | 4 |

| Movie | I, Robot | 2004 | 6.90 | 5 |

+-----------+---------------------------------------+-------------+--------+--------+

5 rows in set (0.00 sec)

mysql> select \* from review;

+--------------------------------------------+--------+----------+

| review | bookid | authorid |

+--------------------------------------------+--------+----------+

| A magical journey full of adventure. | 1 | 1 |

| A haunting warning about totalitarianism. | 2 | 2 |

| A timeless romance with wit and insight. | 3 | 3 |

| A fun and adventurous tale of boyhood. | 4 | 4 |

| A thought-provoking science fiction novel. | 5 | 5 |

+--------------------------------------------+--------+----------+

5 rows in set (0.00 sec)

1. **List All Books and Their Authors**

**mysql> select b.title as 'book name', a.name as 'Author name' from book b left join author a on b.authorid=a.authorid;**

+---------------------------------------+---------------+

| book name | Author name |

+---------------------------------------+---------------+

| Harry Potter and the Sorcerer's Stone | J.K. Rowling |

| 1984 | George Orwell |

| Pride and Prejudice | Jane Austen |

| The Adventures of Tom Sawyer | Mark Twain |

| Foundation | Isaac Asimov |

+---------------------------------------+---------------+

5 rows in set (0.00 sec)

**2) List Authors and Books Published After 2005**

**mysql> select b.title as 'book name', a.name as 'Author name' from author a left join book b on b.authorid=a.authorid where b.publishyear>1900;**

+---------------------------------------+---------------+

| book name | Author name |

+---------------------------------------+---------------+

| Harry Potter and the Sorcerer's Stone | J.K. Rowling |

| 1984 | George Orwell |

| Foundation | Isaac Asimov |

+---------------------------------------+---------------+

3 rows in set (0.00 sec)