

## Experiment no 7

### Aim: To implement set theory operations in SQL

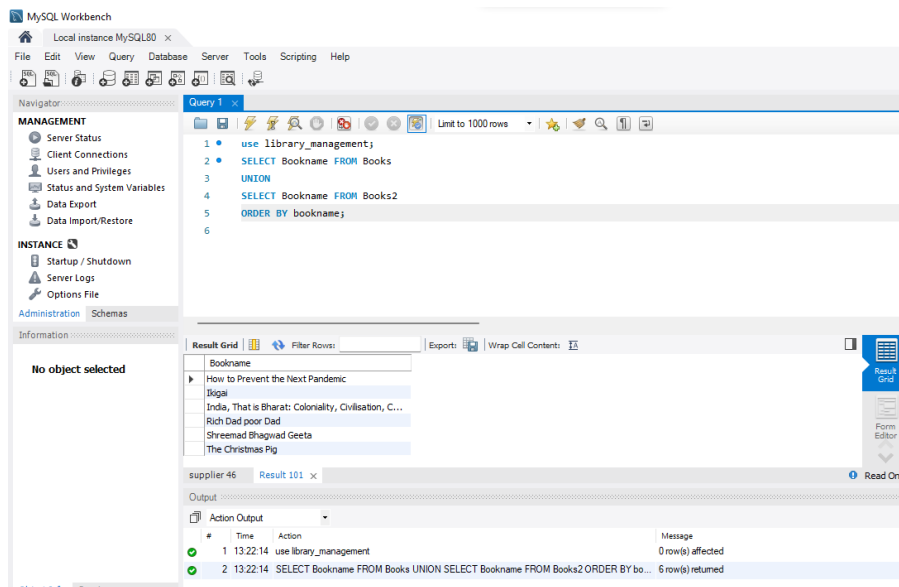
#### 1) Union

SELECT Bookname FROM Books

UNION

SELECT Bookname FROM Books2

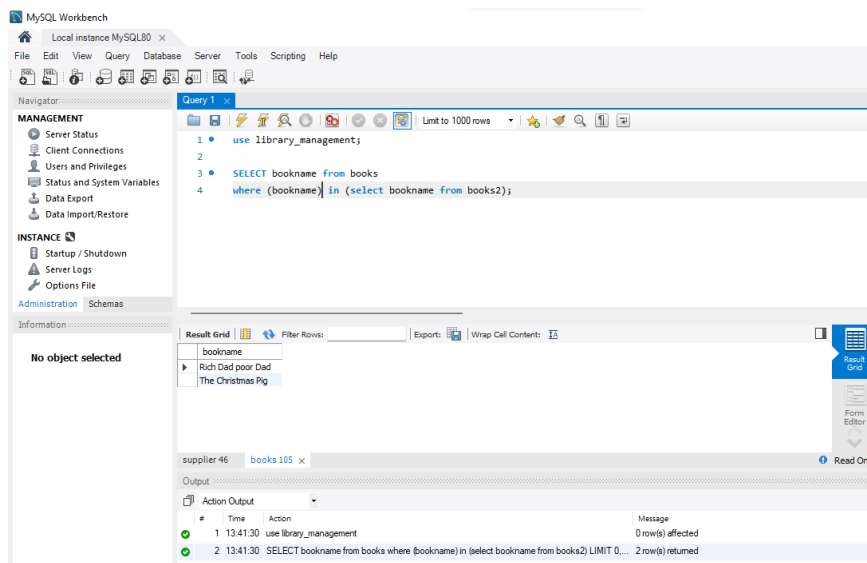
ORDER BY bookname;



#### 2) Intersection

SELECT bookname from books

where (bookname) in (select bookname from books2);



### 3) Difference

SELECT bookname from books

where (bookname) not in (select bookname from books2);

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'Navigator' pane with 'MANAGEMENT' and 'INSTANCE' sections. The 'Query 1' editor shows the following SQL code:

```
1 • use library_management;
2
3 • SELECT bookname from books
4 where (bookname) not in (select bookname from books2);
```

The 'Result Grid' pane displays the results of the query. It shows a table with one column, 'bookname', and two rows of data:

bookname
India, That is Bharat: Coloniality, Civilisation, C...
How to Prevent the Next Pandemic

The 'Output' pane at the bottom shows the execution log:

#	Time	Action	Message
1	13:40:38	use library_management	0 row(s) affected
2	13:40:38	SELECT bookname from books where (bookname) not in (select bookname from books2) LIMIT...	2 row(s) returned