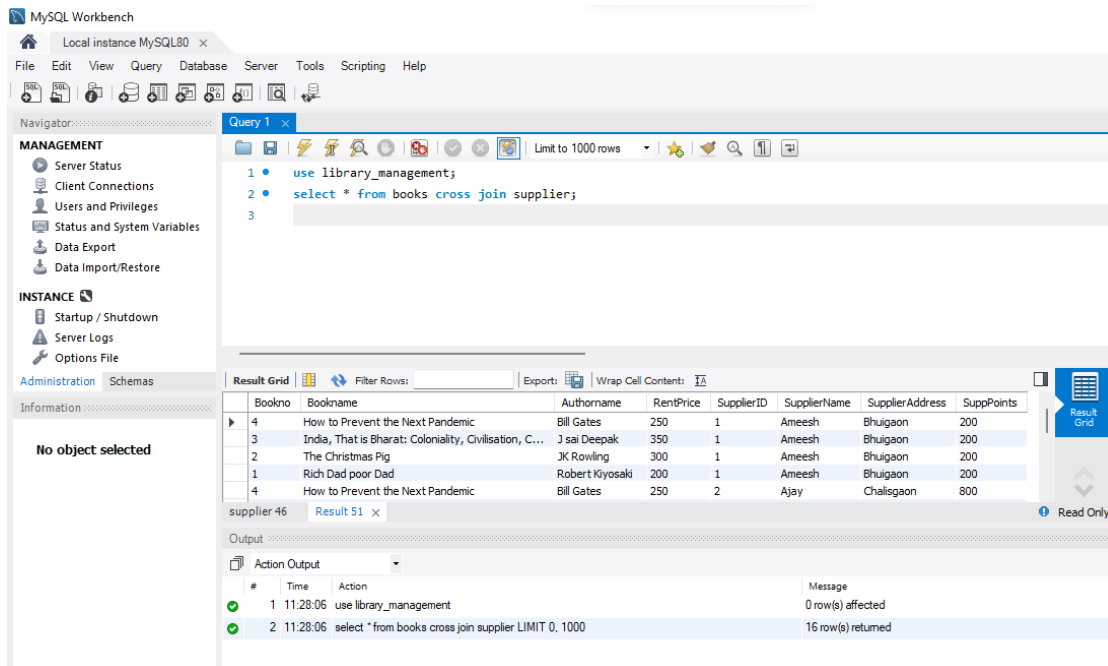


## Experiment no 6

### Aim: To implement join in SQL

#### 1) Cross Join

select \* from books cross join supplier;



The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
1 • use library_management;
2 • select * from books cross join supplier;
3
```

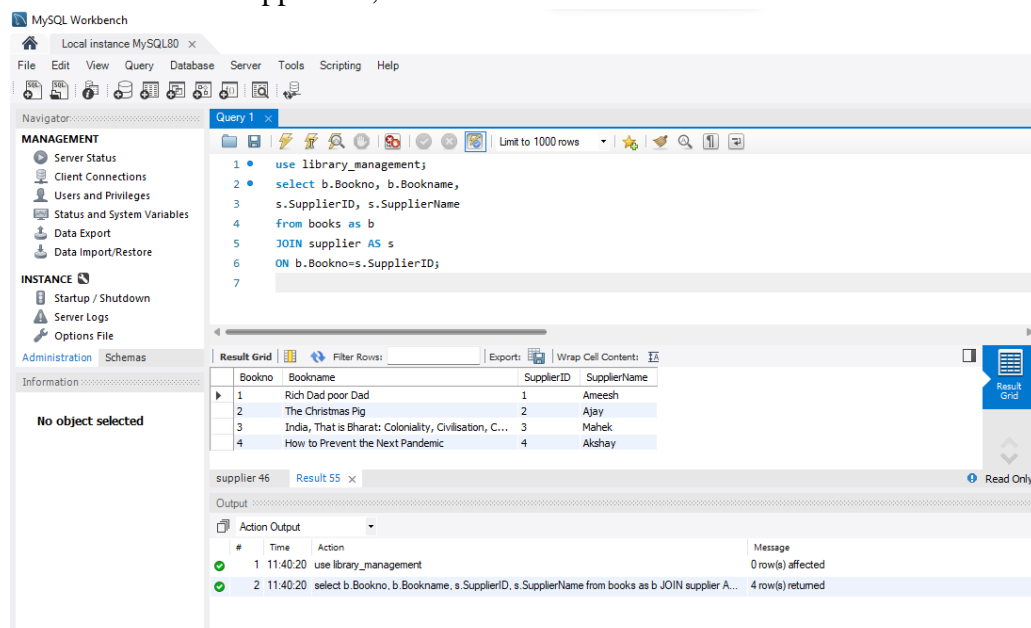
The result grid displays the output of the cross join, showing all combinations of books and suppliers. The columns are Bookno, Bookname, Authname, RentPrice, SupplierID, SupplierName, SupplierAddress, and SuppPoints. The output shows 16 rows.

Bookno	Bookname	Authname	RentPrice	SupplierID	SupplierName	SupplierAddress	SuppPoints
4	How to Prevent the Next Pandemic	Bill Gates	250	1	Ameesh	Bhuigaon	200
3	India, That is Bharat: Coloniality, Civilisation, C...	J sai Deepak	350	1	Ameesh	Bhuigaon	200
2	The Christmas Pig	JK Rowling	300	1	Ameesh	Bhuigaon	200
1	Rich Dad poor Dad	Robert Kiyosaki	200	1	Ameesh	Bhuigaon	200
4	How to Prevent the Next Pandemic	Bill Gates	250	2	Ajay	Chaligaon	800

The output section shows the action output for the query, indicating that 16 rows were returned.

#### 2) Equi Join

select b.Bookno, b.Bookname,  
s.SupplierID, s.SupplierName  
from books as b  
JOIN supplier AS s  
ON b.Bookno=s.SupplierID;



The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
1 • use library_management;
2 • select b.Bookno, b.Bookname,
3 s.SupplierID, s.SupplierName
4 from books as b
5 JOIN supplier AS s
6 ON b.Bookno=s.SupplierID;
7
```

The result grid displays the output of the equi join, showing only the rows where the book number matches the supplier ID. The columns are Bookno, Bookname, SupplierID, and SupplierName. The output shows 4 rows.

Bookno	Bookname	SupplierID	SupplierName
1	Rich Dad poor Dad	1	Ameesh
2	The Christmas Pig	2	Ajay
3	India, That is Bharat: Coloniality, Civilisation, C...	3	Mahek
4	How to Prevent the Next Pandemic	4	Akshay

The output section shows the action output for the query, indicating that 4 rows were returned.

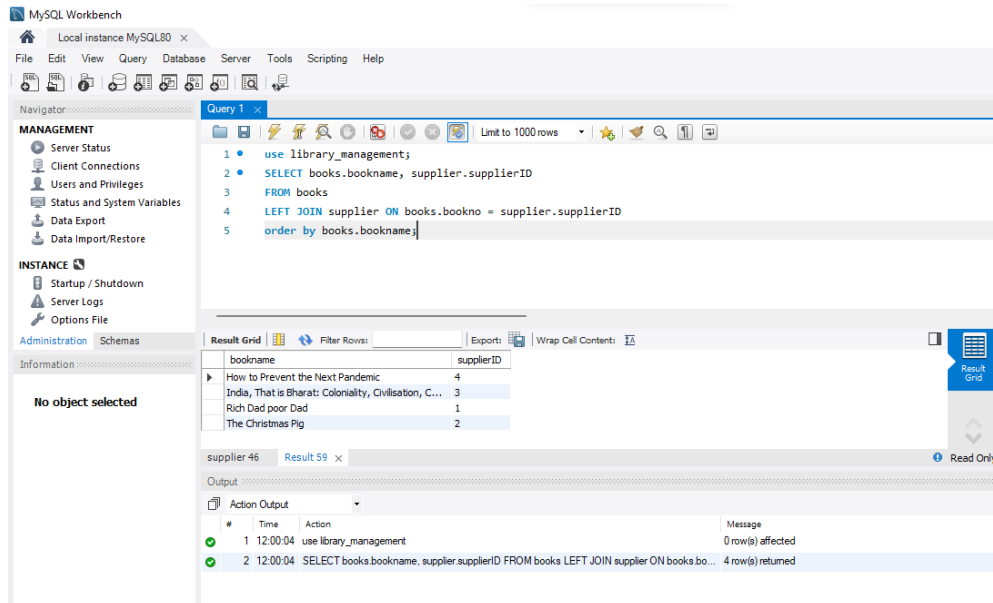
### 3) Left Join

SELECT books.bookname, supplier.supplierID

FROM books

LEFT JOIN supplier ON books.bookno = supplier.supplierID

order by books.bookname;



### 4) Right Join

SELECT books.bookname, supplier.supplierID

FROM books

RIGHT JOIN supplier ON books.bookno = supplier.supplierID

order by books.bookname;

