

```
MySQL 8.0 Command Line Cli X + ~ - o x
-- (3, 'Priya', 3);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql>
mysql> -- Create VIEW
mysql> CREATE VIEW MemberBooks AS
-> SELECT Members.MemberName, Books.BookName
-> FROM Members
-> INNER JOIN Books
-> ON Members.BookID = Books.BookID;
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> -- Display VIEW
mysql> SELECT * FROM MemberBooks;
+-----+-----+
| MemberName | BookName |
+-----+-----+
| Nirosha   | Database Systems |
| Arun      | PHP Programming |
| Priya     | Data Structures |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
mysql> -- Create INDEX on BookName
mysql> CREATE INDEX idx_bookname ON Books(BookName);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
mysql> -- Search using indexed column
mysql> SELECT * FROM Books WHERE BookName = 'PHP Programming';
+-----+-----+-----+-----+
| BookID | BookName    | Author | Price  |
+-----+-----+-----+-----+
|      2 | PHP Programming | Rasmus | 450.00 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```