Values inserted in table books

```
MariaDB [group26]> select * FROM Books;
+---------+----------------------------+---------------------+---------------+
| book_id | name                       | author              | section       |
+---------+----------------------------+---------------------+---------------+
|       1 | harry potter               | jk rowlin           | fantasy       |
|       2 | knives out                 | rian johnson        | mystery       |
|       3 | sherlock holmes            | arthur conan boyle  | mystery       |
|       4 | death on the nile          | agatha christie     | mystery       |
|       5 | my experiments with truth  | mahtma gandhi       | autobiography |
|       6 | IT                         | stephen king        | horror        |
|       7 | THE BFG                    | roald dahl          | children      |
|       8 | murder on the orient express | agatha christie   | mystery       |
|       9 | tales of watson            | arthur conan boyle  | mystery       |
+---------+----------------------------+---------------------+---------------+
9 rows in set (0.000 sec)
```

Values inserted in table Student

```
MariaDB [group26]> select * FROM Student;
+------------+------------------+
| student_id | school_name      |
+------------+------------------+
|        333 | jacobs university |
|        477 | uni bremen       |
|       1212 | TU delft         |
+------------+------------------+
3 rows in set (0.000 sec)
```

Values inserted for teacher

```
MariaDB [group26]> select * FROM Teacher;
+------------+------------------+
| teacher_id | school_name      |
+------------+------------------+
|        777 | jacobs university |
|        888 | uni bremen       |
|       2323 | Tu munich        |
+------------+------------------+
3 rows in set (0.000 sec)
```

Applying Query 1 to find number of books:

```sql
select count(book_id) AS numberofbooks FROM Books;
```

following output

```
MariaDB [group26]> select count(book_id) AS numberofbooks FROM Books;
+---------------+
| numberofbooks |
+---------------+
|             9 |
+---------------+
1 row in set (0.000 sec)
```

Applying Query 2 to find number of mystery books:

```sql
select count(book_id) AS no_of_mystery_books FROM Books WHERE section = 'mystery';
```

following output

```
MariaDB [group26]> select count(book_id) AS no_of_mystery_books FROM Books WHERE section = 'mystery';
+---------------------+
| no_of_mystery_books |
+---------------------+
|                   5 |
+---------------------+
1 row in set (0.001 sec)
```

Applying Query 3 to find authors who write mystery books:

```sql
select author AS mysteryauthors FROM Books WHERE section = 'mystery' GROUP BY author;
```

following output

```
MariaDB [group26]> select author AS mysteryauthors FROM Books WHERE section = 'mystery' GROUP BY author;
+-------------------+
| mysteryauthors    |
+-------------------+
| agatha christie   |
| arthur conan boyle |
| rian johnson      |
+-------------------+
3 rows in set (0.001 sec)
```

Applying Query 4 to find authors who write more than 1 book:

```sql
select author AS author_with_multiple_books FROM Books WHERE book_id>0 GROUP BY author HAVING count(author)>1;
```

following output

```
MariaDB [group26]> select author AS author_with_multiple_books FROM Books WHERE book_id>0 GROUP BY author HAVING count(author)>1;
+----------------------------+
| author_with_multiple_books |
+----------------------------+
| agatha christie            |
| arthur conan boyle         |
+----------------------------+
2 rows in set (0.000 sec)
```

Applying Query 5 to perform inner join on student and teacher tables:

```
select * FROM Student INNER JOIN Teacher ON Student.school_name = Teacher.school_name;
```
following output

```
MariaDB [group26]> select * FROM Student INNER JOIN Teacher ON Student.school_name = Teacher.school_name;
+------------+-------------------+------------+-------------------+
| student_id | school_name       | teacher_id | school_name       |
+------------+-------------------+------------+-------------------+
|        333 | jacobs university |        777 | jacobs university |
|        477 | uni bremen        |        888 | uni bremen        |
+------------+-------------------+------------+-------------------+
2 rows in set (0.000 sec)
```