

1. Create table book(bid, book\_name, writer, publisher, price, genre) with the following constraints:
  - a. bid needs to be primary key,
  - b. Filling book name and price is mandatory.
  - c. Book's cost should be more than 100 and less than 1000.
  - d. If writer name is not available then make the column value unknown by default.

```
MariaDB [dbms_practice]> create table book(
-> bid int primary key,
-> book_name varchar(30) not null,
-> writer varchar(30) default 'unknown',
-> publisher varchar(30),
-> price int not null check(price>100 and price<1000),
-> genre varchar(30)
-> );
Query OK, 0 rows affected (0.019 sec)
```

2. Populate the table with 10 tuples.

```
MariaDB [dbms_practice]> insert into book (bid,book_name,writer,publisher,price,genre) values(
-> 1, 'Ramayan', 'Ram', 'Gita Press', 450, 'Epic'),
-> (2, 'Mahabharat', 'Shyam', 'Bharatiya Vidya Bhavan', 600, 'Epic'),
-> (3, 'Geeta', default, 'Gita Press', 200, 'Philosophy'),
-> (4, 'Ramcharitmanas', 'Ram', 'Gita Press', 550, 'Epic'),
-> (5, 'Bhagavad Geeta', 'Shyam', 'Motilal Banarsidass', 300, 'Philosophy'),
-> (6, 'Upanishads', 'Hari', 'Rupa Publications', 700, 'Philosophy'),
-> (7, 'Puranas', 'Ram', 'Vedanta Press', 650, 'Mythology'),
-> (8, 'Vedas', default, 'Gita Press', 850, 'Scripture'),
-> (9, 'Manusmriti', 'Hari', 'Motilal Banarsidass', 400, 'Law'),
-> (10, 'Arthashastra', 'Ram', 'Penguin', 500, 'Economics');
Query OK, 10 rows affected (0.064 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

3. Display all the books details.

```
MariaDB [dbms_practice]> select * from book;
```

bid	book_name	writer	publisher	price	genre
1	Ramayan	Ram	Gita Press	450	Epic
2	Mahabharat	Shyam	Bharatiya Vidya Bhavan	600	Epic
3	Geeta	unknown	Gita Press	200	Philosophy
4	Ramcharitmanas	Ram	Gita Press	550	Epic
5	Bhagavad Geeta	Shyam	Motilal Banarsidass	300	Philosophy
6	Upanishads	Hari	Rupa Publications	700	Philosophy
7	Puranas	Ram	Vedanta Press	650	Mythology
8	Vedas	unknown	Gita Press	850	Scripture
9	Manusmriti	Hari	Motilal Banarsidass	400	Law
10	Arthashastra	Ram	Penguin	500	Economics

```
10 rows in set (0.000 sec)
```

4. Update the genre of any two books.

```
MariaDB [dbms_practice]> update book set genre='religion' where bid=1;
Query OK, 1 row affected (0.015 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [dbms_practice]> update book set genre='self help' where bid=10;
Query OK, 1 row affected (0.006 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

5. Delete the books written by Ram.

```
MariaDB [dbms_practice]> delete from book where writer='Ram';
Query OK, 4 rows affected (0.014 sec)
```

6. Display the books name with its writer whose price is more than 500.

```
MariaDB [dbms_practice]> select book_name,writer from book where price>500;
+-----+-----+
| book_name | writer |
+-----+-----+
| Mahabharat | Shyam  |
| Upanishads | Hari   |
| Vedas      | unknown|
+-----+-----+
3 rows in set (0.000 sec)
```

7. Display the books name with its writer whose price is less than 300 and genre is adventure.

```
MariaDB [dbms_practice]> select book_name, writer from book where price<300 and genre='adventure';
Empty set (0.005 sec)
```

8. Display the name of the books whose writer are unknown.

```
MariaDB [dbms_practice]> select book_name from book where writer='unknown';
+-----+
| book_name |
+-----+
| Geeta      |
| Vedas      |
+-----+
2 rows in set (0.000 sec)
```

9. Change the book price to exactly 412 if the book writer is Shyam.

```
MariaDB [dbms_practice]> update book set price=412 where writer='Shyam';
Query OK, 2 rows affected (0.002 sec)
Rows matched: 2  Changed: 2  Warnings: 0
```

10. Delete the books details whose writer is Shyam and price is more than 300.

```
MariaDB [dbms_practice]> delete from book where writer='Shyam' and price>300;
Query OK, 2 rows affected (0.006 sec)
```