DDL ASSIGNMENT2

Q1)

->MariaDB [assignment]> create table member(member_id int primary key,member_name varchar(30),member_address varchar(50),acc_open_date date,membership_type varchar(20),fees_paid int,max_books int,penalty_amount decimal(7,2));

Query OK, 0 rows affected (0.021 sec)

MariaDB [assignment]> create table books(book_no int,book_name varchar(30),author_name varchar(30),cost decimal(7,2),category char(10));

Query OK, 0 rows affected (0.022 sec)

MariaDB [assignment]> create table issue(lib_issue_ int,book_no int,member_id int,issue_date date,return_date date);

Query OK, 0 rows affected (0.028 sec)

MariaDB [assignment]>

Q2

->

MariaDB [assignment]> desc member;

+-----------------+--------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
member_id	int(11)	NO	PRI	NULL	
member_name	varchar(30)	YES		NULL	
member_address	varchar(50)	YES		NULL	
acc_open_date	date	YES		NULL	
membership_type	varchar(20)	YES		NULL	
fees_paid	int(11)	YES		NULL	

```
| max_books     | int(11)     | YES |    | NULL   |     |
| penalty_amount | decimal(7,2) | YES |    | NULL   |     |
+----------------+-------------+------+-----+---------+-------+
8 rows in set (0.009 sec)
```

MariaDB [assignment]> desc books;

```
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| book_no     | int(11)     | YES |    | NULL   |     |
| book_name   | varchar(30) | YES |    | NULL   |     |
| author_name | varchar(30) | YES |    | NULL   |     |
| cost        | decimal(7,2) | YES |    | NULL   |     |
| category    | char(10)    | YES |    | NULL   |     |
+-------------+-------------+------+-----+---------+-------+
```

MariaDB [assignment]> desc issue;

```
+-------------+---------+------+-----+---------+-------+
| Field       | Type    | Null | Key | Default | Extra |
+-------------+---------+------+-----+---------+-------+
| lib_issue_  | int(11) | YES |    | NULL   |     |
| book_no     | int(11) | YES |    | NULL   |     |
| member_id   | int(11) | YES |    | NULL   |     |
| issue_date  | date    | YES |    | NULL   |     |
| return_date | date    | YES |    | NULL   |     |
```

Q3

->

MariaDB [assignment]> drop table member;

Query OK, 0 rows affected (0.022 sec)

MariaDB [assignment]> show tables;

+---------------------+

| Tables_in_assignment |

+---------------------+

| books |

| college |

| country |

| department |

| employees |

| issue |

| job_hstry |

| jobs |

+---------------------+

8 rows in set (0.004 sec)

MariaDB [assignment]>

Q4

->

MariaDB [assignment]> create table member(member_id int primary key,member_name varchar(20),member_address varchar(50),acc_open_date date ,membership_type varchar(20) check(membership_type

in('annual','lifetime','quaterly','half_yearly')),fees_paid int,max_books_allowed int,penalty_amount decimal(7,2));

Query OK, 0 rows affected (0.026 sec)

MariaDB [assignment]> desc member;

+-------------------+--------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-------------------+--------------+------+-----+---------+-------+
member_id	int(11)	NO	PRI	NULL	
member_name	varchar(20)	YES		NULL	
member_address	varchar(50)	YES		NULL	
acc_open_date	date	YES		NULL	
membership_type	varchar(20)	YES		NULL	
fees_paid	int(11)	YES		NULL	
max_books_allowed	int(11)	YES		NULL	
penalty_amount	decimal(7,2)	YES		NULL	
+-------------------+--------------+------+-----+-------

Q5

->MariaDB [assignment]> alter table member modify column member_name varchar(30);

Query OK, 0 rows affected (0.023 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> desc member;

+-------------------+--------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-------------------+--------------+------+-----+---------+-------+
| member_id | int(11) | NO | PRI | NULL | |

member_name	varchar(30)	YES		NULL	
member_address	varchar(50)	YES		NULL	
acc_open_date	date	YES		NULL	
membership_type	varchar(20)	YES		NULL	
fees_paid	int(11)	YES		NULL	
max_books_allowed	int(11)	YES		NULL	
penalty_amount	decimal(7,2)	YES		NULL	
+------------------+--------------+------+-----+---------+-------+
8 rows in set (0.011 sec)

Q6)

->

MariaDB [assignment]> alter table issue add column refrence char(30);

Query OK, 0 rows affected (0.017 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> desc issue;

+-------------+----------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-------------+----------+------+-----+---------+-------+
lib_issue_	int(11)	YES		NULL	
book_no	int(11)	YES		NULL	
member_id	int(11)	YES		NULL	
issue_date	date	YES		NULL	
return_date	date	YES		NULL	
refrence	char(30)	YES		NULL	
+-------------+----------+------+-----+---------+-------+
6 rows in set (0.006 sec)

MariaDB [assignment]>

Q7

->MariaDB [assignment]> alter table issue drop column refrence;

MariaDB [assignment]> show tables;

+---------------------+
| Tables_in_assignment |
+---------------------+
| books |
| college |
| country |
| department |
| employees |
| issue |
| job_hstry |
| jobs |
| member |
+---------------------+
9 rows in set (0.004 sec)

Q8)

->MariaDB [assignment]> alter table issue rename to lib_issue;

Query OK, 0 rows affected (0.018 sec)

Q9)

->

MariaDB [assignment]> insert into member values(1,"Richa Sharma",'Pune','10-12-05','lifetime',25000,5,50);

Query OK, 1 row affected (0.007 sec)

MariaDB [assignment]> insert into member values(2,"Garima Sen",'Pune','01-11-23','annual',1000,3,null);

Query OK, 1 row affected (0.008 sec)

MariaDB [assignment]> select * from member;

+-----------+--------------+---------------+--------------+----------------+-----------+------------------+---------------+
| member_id | member_name | member_address | acc_open_date | membership_type | fees_paid | max_books_allowed | penalty_amount |
+-----------+--------------+---------------+--------------+----------------+-----------+------------------+---------------+
| 1 | Richa Sharma | Pune | 2010-12-05 | lifetime | 25000 | 5 | 50.00 |
| 2 | Garima Sen | Pune | 2001-11-23 | annual | 1000 | 3 | NULL |
+-----------+--------------+---------------+--------------+----------------+-----------+------------------+---------------+

Q10)

->

MariaDB [assignment]> insert into member values(3,"Ajay Bhosale",'Mumbai',12-12-12,'quaterly',5000,6,70);

Query OK, 1 row affected, 1 warning (0.009 sec)

MariaDB [assignment]> insert into member values(4,"Richard Bradd",'Chicago','16-12-07','half_yearly',1000,2,30);

Query OK, 1 row affected (0.008 sec)

MariaDB [assignment]> insert into member values(5,"Mohsin Shaikh",'Abu Dhabhi','12-10-29','lifetime',25000,5,50);

Query OK, 1 row affected (0.009 sec)

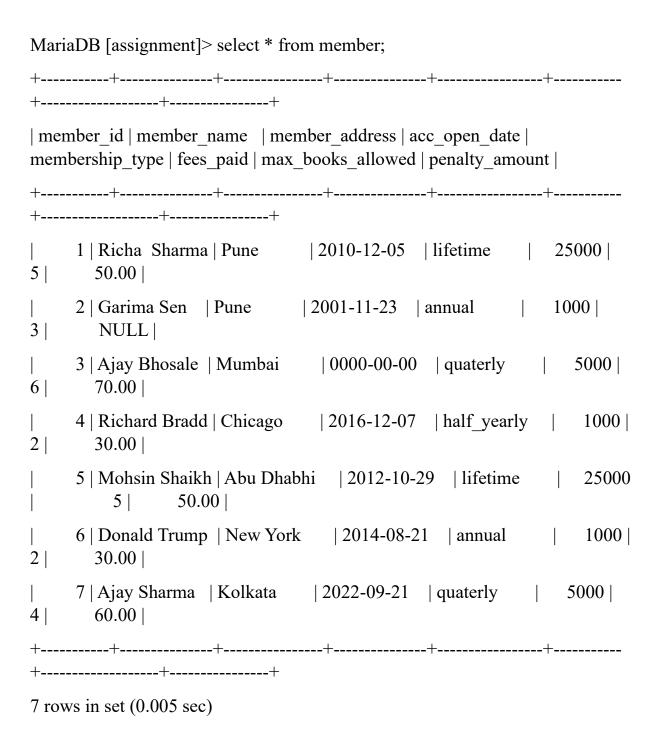MariaDB [assignment]> insert into member values(6,"Donald Trump",'New York','14-08-21','annual',1000,2,30);

Query OK, 1 row affected (0.008 sec)

MariaDB [assignment]> insert into member values(7,"Ajay Sharma",'Kolkata','22-09-21','quaterly',5000,4,60);

Query OK, 1 row affected (0.006 sec)

MariaDB [assignment]> select * from member;

member_id	member_name	member_address	acc_open_date	membership_type	fees_paid	max_books_allowed	penalty_amount
1	Richa Sharma	Pune	2010-12-05	lifetime	25000	5	50.00
2	Garima Sen	Pune	2001-11-23	annual	1000	3	NULL
3	Ajay Bhosale	Mumbai	0000-00-00	quaterly	5000	6	70.00
4	Richard Bradd	Chicago	2016-12-07	half_yearly	1000	2	30.00
5	Mohsin Shaikh	Abu Dhabhi	2012-10-29	lifetime	25000	5	50.00
6	Donald Trump	New York	2014-08-21	annual	1000	2	30.00
7	Ajay Sharma	Kolkata	2022-09-21	quaterly	5000	4	60.00

7 rows in set (0.001 sec)

Q11)

->

MariaDB [assignment]> alter table member modify member_name varchar(20);

Query OK, 7 rows affected, 1 warning (0.072 sec)

Records: 7 Duplicates: 0 Warnings: 1

MariaDB [assignment]> select * from member;

+-----------+---------------+----------------+--------------+----------------+-----------+-------------------+----------------+
| member_id | member_name | member_address | acc_open_date | membership_type | fees_paid | max_books_allowed | penalty_amount |
+-----------+---------------+----------------+--------------+----------------+-----------+-------------------+----------------+
1	Richa Sharma	Pune	2010-12-05	lifetime	25000	5	50.00
2	Garima Sen	Pune	2001-11-23	annual	1000	3	NULL
3	Ajay Bhosale	Mumbai	0000-00-00	quaterly	5000	6	70.00
4	Richard Bradd	Chicago	2016-12-07	half_yearly	1000	2	30.00
5	Mohsin Shaikh	Abu Dhabhi	2012-10-29	lifetime	25000	5	50.00
6	Donald Trump	New York	2014-08-21	annual	1000	2	30.00
7	Ajay Sharma	Kolkata	2022-09-21	quaterly	5000	4	60.00
+-----------+---------------+----------------+--------------+----------------+-----------+-------------------+----------------+
7 rows in set (0.005 sec)

Q12)

->

It is showing only 99 max_ books_allowed as we have

 Set max_books_allowed to decimal(2,0).

Q13)

->

ariaDB [assignment]> create table member_101 as Select * from member;

Query OK, 8 rows affected, 1 warning (0.025 sec)

Records: 8 Duplicates: 0 Warnings: 1

MariaDB [assignment]> desc member_101;

```
+-------------------+--------------+------+-----+---------+-------+
| Field             | Type         | Null | Key | Default | Extra |
+-------------------+--------------+------+-----+---------+-------+
| member_id         | int(11)      | NO   |     | NULL    |       |
| member_name       | varchar(20)  | YES  |     | NULL    |       |
| member_address    | varchar(50)  | YES  |     | NULL    |       |
| acc_open_date     | date         | YES  |     | NULL    |       |
| membership_type   | varchar(20)  | YES  |     | NULL    |       |
| fees_paid         | int(11)      | YES  |     | NULL    |       |
| max_books_allowed | decimal(2,0) | YES  |     | NULL    |       |
| penalty_amount    | decimal(7,2) | YES  |     | NULL    |       |
```


Q14)

->

MariaDB [assignment]> alter table member add constraint chkpenalty check(penalty_amount<=1000);

Query OK, 8 rows affected, 1 warning (0.050 sec)

Records: 8 Duplicates: 0 Warnings: 1

MariaDB [assignment]> alter table member add constraint chkbooksallowed check(max_books_allowed<100);

Query OK, 8 rows affected, 1 warning (0.060 sec)

Records: 8 Duplicates: 0 Warnings: 1

MariaDB [assignment]>

Q15)

->

MariaDB [assignment]> drop table books;

Query OK, 0 rows affected (0.011 sec)

MariaDB [assignment]> show tables;

+---------------------+
| Tables_in_assignment |
+---------------------+
| college |
| country |
| department |
| employees |
| job_hstry |
| jobs |
| lib_issue |

| member |

| member_101 |

+----------------------+

9 rows in set (0.003 sec)

MariaDB [assignment]>

Q16)

->

MariaDB [assignment]> create table book(bid int primary key,book_name varchar(30) not null,author varchar(20),cost decimal(6,2),category varchar(20) check(category in('system','database','fiction','rdbms','others')));

Query OK, 0 rows affected (0.018 sec)

MariaDB [assignment]> desc book;

+-----------+--------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-----------+--------------+------+-----+---------+-------+
bid	int(11)	NO	PRI	NULL	
book_name	varchar(30)	NO		NULL	
author	varchar(20)	YES		NULL	
cost	decimal(6,2)	YES		NULL	
category	varchar(20)	YES		NULL	
+-----------+--------------+------+-----+---------+-------+

Q17)

->

MariaDB [assignment]> insert into book values(101,"LET US C","DENNIS RITCHIE",450,'system');

Query OK, 1 row affected (0.007 sec)

MariaDB [assignment]> insert into book values(102,"oracle complete ref","loni",550,'database');

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> insert into book values(103,"mastering sql","loni",250,'database');

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> insert into book values(104,"pl sql ref","scott urman",750,'database');

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> select * from book;

```
+-----+--------------------+---------------+--------+----------+
| bid | book_name          | author        | cost   | category |
+-----+--------------------+---------------+--------+----------+
| 101 | LET US C           | DENNIS RITCHIE | 450.00 | system   |
| 102 | oracle complete ref | loni          | 550.00 | database |
| 103 | mastering sql      | loni          | 250.00 | database |
| 104 | pl sql ref         | scott urman   | 750.00 | database |
+-----+--------------------+---------------+--------+----------+
```

4 rows in set (0.001 sec)

Q18)

->

MariaDB [assignment]> insert into book values(105,"programming in c","ajay mittal",500,'system');

Query OK, 1 row affected (0.007 sec)

MariaDB [assignment]> insert into book values(106,"The linux programming interface","michael kerisk",1250.50,'system');

Query OK, 1 row affected, 1 warning (0.008 sec)

Q19)

->

MariaDB [assignment]> select * from book;

```
+-----+------------------------------+---------------+---------+----------+
| bid | book_name                    | author        | cost    | category |
+-----+------------------------------+---------------+---------+----------+
| 101 | LET US C                     | DENNIS RITCHIE|  450.00 | system   |
| 102 | oracle complete ref          | loni          |  550.00 | database |
| 103 | mastering sql                | loni          |  250.00 | database |
| 104 | pl sql ref                   | scott urman   |  750.00 | database |
| 105 | programming in c             | ajay mittal   |  500.00 | system   |
| 106 | The linux programming interfac | michael kerisk | 1250.50 | system   |
+-----+------------------------------+---------------+---------+----------+
```

6 rows in set (0.003 sec)

Q20)

->

MariaDB [assignment]> insert into book values(107,"national geographic","adis scott",1000,'science');

ERROR 4025 (23000): CONSTRAINT `book.category` failed for `assignment`.`book`

MariaDB [assignment]> insert into book values(107,"national geographic","adis scott",1000,'others');

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> MariaDB [assignment]> select * from book;

```
+-----+------------------------------+---------------+---------+----------+
```

bid	book_name	author	cost	category
101	LET US C	DENNIS RITCHIE	450.00	system
102	oracle complete ref	loni	550.00	database
103	mastering sql	loni	250.00	database
104	pl sql ref	scott urman	750.00	database
105	programming in c	ajay mittal	500.00	system
106	The linux programming interfac	michael kerisk	1250.50	system
107	national geographic	adis scott	1000.00	others

Q21)

->MariaDB [assignment]> alter table lib_issue rename to issue;

Query OK, 0 rows affected (0.015 sec)

MariaDB [assignment]> show tables;

+---------------------+
| Tables_in_assignment |
+---------------------+
| book |
| college |
| country |
| department |
| employees |
| issue |
| job_hstry |
| jobs |
| member |

```
| member_101         |
+--------------------+
10 rows in set (0.003 sec)
```

Q22)
->

```
MariaDB [assignment]> drop table issue;
Query OK, 0 rows affected (0.012 sec)


MariaDB [assignment]> show tables;
+--------------------+
| Tables_in_assignment |
+--------------------+
| book               |
| college            |
| country            |
| department         |
| employees          |
| job_hstry          |
| jobs               |
| member             |
| member_101         |
+--------------------+
9 rows in set (0.003 sec)
```

Q23

-> create table issue1(libid int primary key,bid int,member_id int,issue_date date,return_date date);

MariaDB [assignment]> alter table issue1 add foreign key (member_id) references member2(member_id);

Query OK, 0 rows affected (0.065 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> alter table issue1 add foreign key (bid) references book(bid);

Query OK, 0 rows affected (0.063 sec)

Records: 0 Duplicates: 0 Warnings: 0

Q24

->MariaDB [assignment]> create table issue2(lib_issue_id int primary key,bid int,member_id int,issue_date date,return_date date);

Query OK, 0 rows affected (0.021 sec)

MariaDB [assignment]> alter table issue2 add foreign key (member_id) references member(member_id);

Query OK, 0 rows affected (0.068 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> alter table issue2 add foreign key (bid) references book(bid);

Query OK, 0 rows affected (0.057 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> insert into issue2 values(7001,101,1,'10-12-06','10-01-07');

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> insert into issue2 values(7002,102,2,'25-12-06','17-01-07');

Query OK, 1 row affected (0.006 sec)

MariaDB [assignment]> insert into issue2 values(7003,104,1,'15-01-06','27-01-07');

Query OK, 1 row affected (0.013 sec)

MariaDB [assignment]> insert into issue2 values(7004,101,1,'04-06-06','05-07-06');

Query OK, 1 row affected (0.012 sec)

MariaDB [assignment]> insert into issue2 values(7005,104,2,'15-11-06','29-12-06');

Query OK, 1 row affected (0.006 sec)

MariaDB [assignment]> insert into issue2 values(7006,101,3,'18-02-06','19-04-06');

Query OK, 1 row affected (0.008 sec)

MariaDB [assignment]> select * from issue2;

```
+--------------+------+-----------+------------+-------------+
| lib_issue_id | bid  | member_id | issue_date | return_date |
+--------------+------+-----------+------------+-------------+
|         7001 | 101  |         1 | 2010-12-06 | 2010-01-07  |
|         7002 | 102  |         2 | 2025-12-06 | 2017-01-07  |
|         7003 | 104  |         1 | 2015-01-06 | 2027-01-07  |
|         7004 | 101  |         1 | 2004-06-06 | 2005-07-06  |
|         7005 | 104  |         2 | 2015-11-06 | 2029-12-06  |
|         7006 | 101  |         3 | 2018-02-06 | 2019-04-06  |
+--------------+------+-----------+------------+-------------+
```

6 rows in set (0.003 sec)

Q25)

->MariaDB [assignment]> alter table issue2 drop foreign key issue2_ibfk_2;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> alter table issue2 drop foreign key issue2_ibfk_1;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> ALTER TABLE issue2

   -> DROP PRIMARY KEY;

Query OK, 6 rows affected (0.067 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [assignment]> show create table issue2;

```
+--------+------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------+
| Table  | Create Table
|
+--------+------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------+
| issue2 | CREATE TABLE `issue2` (
  `lib_issue_id` int(11) NOT NULL,
  `bid` int(11) DEFAULT NULL,
  `member_id` int(11) DEFAULT NULL,
  `issue_date` date DEFAULT NULL,
  `return_date` date DEFAULT NULL,
  KEY `member_id` (`member_id`),
  KEY `bid` (`bid`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci |
+--------+---------------------------------------------------------------
```

Q26)

->

MariaDB [assignment]> insert into issue2 values(70077,102,3,'25-08-06','29-12-06');

Query OK, 1 row affected (0.007 sec)

MariaDB [assignment]> alter table issue2 drop column member_id;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> select * from issue2;

```
+--------------+------+------------+-------------+
| lib_issue_id | bid  | issue_date | return_date |
+--------------+------+------------+-------------+
|         7001 |  101 | 2010-12-06 | 2010-01-07  |
|         7002 |  102 | 2025-12-06 | 2017-01-07  |
|         7003 |  104 | 2015-01-06 | 2027-01-07  |
|         7004 |  101 | 2004-06-06 | 2005-07-06  |
|         7005 |  104 | 2015-11-06 | 2029-12-06  |
|         7006 |  101 | 2018-02-06 | 2019-04-06  |
|        70077 |  102 | 2025-08-06 | 2029-12-06
```

Q27)

->

MariaDB [assignment]> desc issue2;

```
+--------------+---------+------+-----+---------+-------+
| Field        | Type    | Null | Key | Default | Extra |
+--------------+---------+------+-----+---------+-------+
| lib_issue_id | int(11) | NO   | PRI | NULL    |       |
```

```
| bid        | int(11) | YES |     | NULL    |       |
| issue_date | date    | YES |     | NULL    |       |
| return_date| date    | YES |     | NULL    |       |
+-------------+---------+------+-----+---------+-------+
```

4 rows in set (0.011 sec)

MariaDB [assignment]> alter table issue2 add foreign key (bid) references book(bid);

Query OK, 7 rows affected (0.057 sec)

Records: 7 Duplicates: 0 Warnings: 0

MariaDB [assignment]> desc issue2;

```
+-------------+---------+------+-----+---------+-------+
| Field       | Type    | Null | Key | Default | Extra |
+-------------+---------+------+-----+---------+-------+
| lib_issue_id| int(11) | NO   | PRI | NULL    |       |
| bid         | int(11) | YES  | MUL | NULL    |       |
| issue_date  | date    | YES  |     | NULL    |       |
| return_date | date    | YES  |     | NULL    |       |
+-------------+---------+------+-----+---------+-------+
```

4 rows in set (0.011 sec)

Q28

->

MariaDB [assignment]> delete from issue2 where lib_issue_id=70077;

Query OK, 1 row affected (0.007 sec)

MariaDB [assignment]> select * from issue2;

```
+-------------+------+------------+-------------+
```

```
| lib_issue_id | bid | issue_date | return_date |
+--------------+------+------------+-------------+
|         7001 |  101 | 2010-12-06 | 2010-01-07  |
|         7002 |  102 | 2025-12-06 | 2017-01-07  |
|         7003 |  104 | 2015-01-06 | 2027-01-07  |
|         7004 |  101 | 2004-06-06 | 2005-07-06  |
|         7005 |  104 | 2015-11-06 | 2029-12-06  |
|         7006 |  101 | 2018-02-06 | 2019-04-06  |
+--------------+------+------------+-------------+
6 rows in set (0.003 sec)
```

Q29)

->

MariaDB [assignment]> delete from issue2 where member_id=1;

ERROR 1054 (42S22): Unknown column 'member_id' in 'where clause'

MariaDB [assignment]>

Q30)

->

MariaDB [assignment]> desc MEMBER;

```
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| member_id       | int(11)     | NO   | PRI | NULL    |       |
| member_name     | varchar(20) | YES  |     | NULL    |       |
| member_address  | varchar(50) | YES  |     | NULL    |       |
| acc_open_date   | date        | YES  |     | NULL    |       |
| membership_type | varchar(20) | YES  |     | NULL    |       |
| fees_paid       | int(11)     | YES  |     | NULL    |       |
```

```
| max_books_allowed | decimal(2,0) | YES |   | NULL  |     |
| penalty_amount    | decimal(7,2) | YES |   | NULL  |     |
+------------------+--------------+------+-----+---------+-------+
8 rows in set (0.012 sec)


MariaDB [assignment]> select * from member;
+-----------+--------------+----------------+--------------+-----------------+-----------+------------------+----------------+
| member_id | member_name  | member_address | acc_open_date | membership_type | fees_paid | max_books_allowed | penalty_amount |
+-----------+--------------+----------------+--------------+-----------------+-----------+------------------+----------------+
|        1 | Richa  Sharma | Pune          | 2010-12-05   | lifetime        |     25000 |                5 |          50.00 |
|        2 | Garima Sen   | Pune          | 2001-11-23   | annual          |      1000 |                3 |           NULL |
|        3 | Ajay Bhosale | Mumbai        | 0000-00-00   | quaterly        |      5000 |                6 |          70.00 |
|        4 | Richard Bradd | Chicago       | 2016-12-07   | half_yearly     |      1000 |                2 |          30.00 |
|        5 | Mohsin Shaikh | Abu Dhabhi    | 2012-10-29   | lifetime        |     25000 |                5 |          50.00 |
|        6 | Donald Trump  | New York      | 2014-08-21   | annual          |      1000 |                2 |          30.00 |
|        7 | Ajay Sharma  | Kolkata       | 2022-09-21   | quaterly        |      5000 |                4 |          60.00 |
|        8 | Rahul yadav  | hariyana      | 2022-11-21   | quaterly        |      5000 |               99 |          60.00 |
+-----------+--------------+----------------+--------------+-----------------+-----------+------------------+----------------+
8 rows in set (0.007 sec)
```

MariaDB [assignment]>

MariaDB [assignment]> desc issue2;

```
+--------------+---------+------+-----+---------+-------+
| Field        | Type    | Null | Key | Default | Extra |
+--------------+---------+------+-----+---------+-------+
| lib_issue_id | int(11) | NO   | PRI | NULL    |       |
| bid          | int(11) | YES  | MUL | NULL    |       |
| issue_date   | date    | YES  |     | NULL    |       |
| return_date  | date    | YES  |     | NULL    |       |
+--------------+---------+------+-----+---------+-------+
```
4 rows in set (0.011 sec)

MariaDB [assignment]> select * from issue2;

```
+--------------+------+------------+-------------+
| lib_issue_id | bid  | issue_date | return_date |
+--------------+------+------------+-------------+
|         7001 |  101 | 2010-12-06 | 2010-01-07  |
|         7002 |  102 | 2025-12-06 | 2017-01-07  |
|         7003 |  104 | 2015-01-06 | 2027-01-07  |
|         7004 |  101 | 2004-06-06 | 2005-07-06  |
|         7005 |  104 | 2015-11-06 | 2029-12-06  |
|         7006 |  101 | 2018-02-06 | 2019-04-06  |
+--------------+------+------------+-------------+
```
6 rows in set (0.003 sec)

MariaDB [assignment]> desc book;

```
+-----------+--------------+------+-----+---------+-------+
```

```
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| bid       | int(11)     | NO   | PRI | NULL    |       |
| book_name | varchar(30) | NO   |     | NULL    |       |
| author    | varchar(20) | YES  |     | NULL    |       |
| cost      | decimal(6,2)| YES  |     | NULL    |       |
| category  | varchar(20) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.011 sec)
```

MariaDB [assignment]> select * from book;

```
+-----+-------------------------------+---------------+---------+----------+
| bid | book_name                     | author        | cost    | category |
+-----+-------------------------------+---------------+---------+----------+
| 101 | LET US C                      | DENNIS RITCHIE|  450.00 | system   |
| 102 | oracle complete ref           | loni          |  550.00 | database |
| 103 | mastering sql                 | loni          |  250.00 | database |
| 104 | pl sql ref                    | scott urman   |  750.00 | database |
| 105 | programming in c              | ajay mittal   |  500.00 | system   |
| 106 | The linux programming interfac| michael kerisk| 1250.50 | system   |
| 107 | national geographic           | adis scott    | 1000.00 | others   |
+-----+-------------------------------+---------------+---------+----------+
7 rows in set (0.003 sec)
```

MariaDB [assignment]>

Q31)

->

MariaDB [assignment]> UPDATE issue2 SET Return_Date = Issue_Date + 15 WHERE Lib_Issue_Id IN (7004, 7005);

Query OK, 2 rows affected (0.009 sec)

Rows matched: 2 Changed: 2 Warnings: 0

MariaDB [assignment]> select * from issue2;

+--------------+------+------------+-------------+
| lib_issue_id | bid | issue_date | return_date |
+--------------+------+------------+-------------+
7001	101	2010-12-06	2010-01-07
7002	102	2025-12-06	2017-01-07
7003	104	2015-01-06	2027-01-07
7004	101	2004-06-06	2004-06-21
7005	104	2015-11-06	2015-11-21
7006	101	2018-02-06	2019-04-06
+--------------+------+------------+-------------+

Q32)

->

MariaDB [assignment]> delete from issue2 where member_id=1 and issue_date="10-12-06";

ERROR 1054 (42S22): Unknown column 'member_id' in 'where clause'

MariaDB [assignment]> delete from issue2 where issue_date="10-12-06";

Query OK, 1 row affected (0.005 sec)

MariaDB [assignment]> select * from issue2;

+--------------+------+------------+-------------+
| lib_issue_id | bid | issue_date | return_date |

```
+-------------+------+------------+------------+
|        7002 |  102 | 2025-12-06 | 2017-01-07 |
|        7003 |  104 | 2015-01-06 | 2027-01-07 |
|        7004 |  101 | 2004-06-06 | 2004-06-21 |
|        7005 |  104 | 2015-11-06 | 2015-11-21 |
|        7006 |  101 | 2018-02-06 | 2019-04-06 |
+-------------+------+------------+------------+
5 rows in set (0.003 sec)
```

MariaDB [assignment]>

Q33)

->

ariaDB [assignment]> delete from book where category ="system";

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`assignment`.`issue2`, CONSTRAINT `issue2_ibfk_1` FOREIGN KEY (`bid`) REFERENCES `book` (`bid`))

MariaDB [assignment]>

Q34)

-> MariaDB [assignment]> drop table member;

Query OK, 0 rows affected (0.017 sec)

Q35)

->

MariaDB [assignment]> alter table issue2 drop foreign key issue2_ibfk_1;

Query OK, 0 rows affected (0.012 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [assignment]> drop table book;

Query OK, 0 rows affected (0.010 sec)

MariaDB [assignment]> show tables;

```
+----------------------+
| Tables_in_assignment |
+----------------------+
| college              |
| country              |
| department           |
| due                  |
| employees            |
| issue2               |
| job_hstry            |
| jobs                 |
+----------------------+
```

8 rows in set (0.004 sec)