

## MYSQL (QUERIES)

1. Create database "*library*".
2. Create tables "*book*", "*member*", "*transaction*" as follows.
3. CREATE TABLE `book` (  
    `id` int(10) NOT NULL AUTO\_INCREMENT,  
    `title` char(60) DEFAULT NULL,  
    `author` char(50) DEFAULT NULL,  
    `pages` int(4) DEFAULT NULL,  
    `price` float(6,2) DEFAULT NULL,  
    `status` char(10) DEFAULT NULL,  
    `publisher` char(60) DEFAULT NULL,  
    `edition` char(15) DEFAULT NULL,  
    PRIMARY KEY (`id`)) ENGINE=MyISAM AUTO\_INCREMENT=19  
    DEFAULT CHARSET=latin1;
4. CREATE TABLE `member` (  
    `id` int(11) NOT NULL AUTO\_INCREMENT,  
    `name` char(30) DEFAULT NULL,  
    `class` char(15) DEFAULT NULL,  
    `address` char(100) DEFAULT NULL,  
    `phone` char(15) DEFAULT NULL,  
    `email` char(60) DEFAULT NULL,  
    PRIMARY KEY (`id`)) ENGINE=MyISAM AUTO\_INCREMENT=5  
    DEFAULT CHARSET=latin1;
5. CREATE TABLE `transaction` (  
    `tid` int(11) NOT NULL AUTO\_INCREMENT,  
    `b\_id` int(11) DEFAULT NULL,  
    `m\_id` int(11) DEFAULT NULL,  
    `doi` date DEFAULT NULL,  
    `dor` date DEFAULT NULL,  
    `fine` float(5,2) DEFAULT NULL,  
    PRIMARY KEY (`tid`)  
    ) ENGINE=MyISAM AUTO\_INCREMENT=17 DEFAULT  
    CHARSET=latin1;

# MYSQL (TABLES)

```
mysql> desc book;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
title	char(60)	YES		NULL	
author	char(50)	YES		NULL	
pages	int	YES		NULL	
price	float(6,2)	YES		NULL	
status	char(10)	YES		NULL	
publisher	char(60)	YES		NULL	
edition	char(15)	YES		NULL	

```
8 rows in set (0.00 sec)
```

```
mysql> desc member;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	char(30)	YES		NULL	
class	char(15)	YES		NULL	
address	char(100)	YES		NULL	
phone	char(15)	YES		NULL	
email	char(60)	YES		NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> desc transaction;
```

Field	Type	Null	Key	Default	Extra
tid	int	NO	PRI	NULL	auto_increment
b_id	int	YES		NULL	
m_id	int	YES		NULL	
doi	date	YES		NULL	
dor	date	YES		NULL	
fine	float(5,2)	YES		NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> select * from book;
```

id	title	author	pages	price	status	publisher	edition
124	the kite runner	khalid hosseini	420	200.00	available	bloomsbury	1
123	a	Durjoy Datta	350	200.00	stolen	PENGUIN PUBLICATIONS	1
122	The Boy with broken heart	Durjoy Datta	349	200.00	available	PENGUIN PUBLICATIONS	1
121	A Thousand Splendid Suns	Khalid Hosseini	420	499.00	available	BLOOMSBURY	1
120	A Thousand Splendid Suns	Khalid Hosseini	420	499.00	available	BLOOMSBURY	1
119	The Kite Runner	Khaled Hosseini	420	499.00	available	BLOOMSBURY	1

```
6 rows in set (0.27 sec)
```

```
mysql> select * from member;
```

id	name	class	address	phone	email
1	ram lal	12 A	cf-4 brij vihar	987177171	rakesh@cbsetoday.com
2	samriddhi	4 B	f-124 surya nagar	2345677890	sam@gmail.com
3	kamal aggarwal	10 A	cf-9 brij vihar	987383843	kamal@mail.com
4	rakshit	10-A	f-32 surya nagar	65775575	rakshit@gmail.com
5	disha parale	12 jee	home	35346475678	paraledisha20@gmail.com
6	aaryan	9 a	home	34245346	aryan@gmail.com
7	smiya	5	address	345354467	smiya@gmail.com

```
7 rows in set (0.15 sec)
```

```
mysql> select * from transaction;
```

tid	b_id	m_id	doi	dor	fine
9	1	1	2020-12-06	2020-12-06	0.01
10	2	2	2020-12-06	2020-12-06	0.01
11	1	2	2020-12-06	2020-12-06	0.01
12	1	1	2020-12-06	2020-12-06	0.01
13	1	1	2020-12-06	2020-12-06	0.01
14	1	1	2020-12-06	2020-12-06	0.00
15	1	1	2020-12-06	2020-12-06	0.00
16	4	4	2020-12-06	2020-12-06	0.00
17	123	5	2020-12-12	2020-12-12	0.00

```
9 rows in set (0.24 sec)
```