

```
mysql> CREATE TABLE Author(  
-> Author_id int PRIMARY KEY,  
-> Name varchar(20),  
-> Email varchar(20),  
-> Phone_Number varchar(10),  
-> Status varchar(20));
```

```
mysql> CREATE TABLE Publisher( Publisher_id int PRIMARY KEY, Name  
varchar(20), Address varchar(20));
```

```
mysql> CREATE TABLE Member(  
-> Member_id int PRIMARY KEY,  
-> Branch_code int,  
-> Roll_no int,  
-> Phone_number varchar(10),  
-> Email_id varchar(20),  
-> Date_of_join date,  
-> Status varchar(20));
```

```
mysql> CREATE TABLE Language(  
-> Language_id int PRIMARY KEY,  
-> Name varchar(20));
```

```
mysql> CREATE TABLE Late_Fee_Rule(  
-> FromDays int,  
-> ToDays int,  
-> Amount int,  
-> PRIMARY KEY(FromDays,ToDays,Amount);
```

```
mysql> CREATE TABLE Book(  
-> Book_id int PRIMARY KEY,  
-> Title VARCHAR(20),  
-> Language_id int,  
-> Publisher int,  
-> Published_date date,  
-> volume int,  
-> MRP int,  
-> Status varchar(20),  
-> FOREIGN KEY(Language_id) REFERENCES Language(Language_id),  
-> FOREIGN KEY (Publisher_id) REFERENCES Publisher(Publisher_id)  
-> );
```

```
mysql> CREATE TABLE Book_Issue(  
-> Issue_id int,  
-> Date_of_issue date,  
-> Book_id int,  
-> Member_id int,  
-> Expected_date_of_return date,  
-> Status varchar(20),  
-> PRIMARY KEY(Issue_id),  
-> FOREIGN KEY(Member_id) REFERENCES Member(Member_id),  
-> FOREIGN KEY(Book_id) REFERENCES Book(Book_id)  
-> );
```

```
mysql> CREATE TABLE Book_Return(  
-> Issue_id int,  
-> Actual_date_of_return date,
```

```

-> Late_days int,
-> Late_fee int,
-> FOREIGN KEY(Issue_id) REFERENCES Book_Issue(Issue_id)
-> );

```

```

mysql> CREATE TABLE Book_Author(
-> Book_id int,
-> Author_id int,
-> PRIMARY KEY(Book_id,Author_id),
-> FOREIGN KEY(Book_id) REFERENCES Book(Book_id),
-> FOREIGN KEY(Author_id) REFERENCES Author(Author_id)
-> );

```

```
mysql> DESCRIBE Book;
```

Field	Type	Null	Key	Default	Extra
Book_id	int(11)	NO	PRI	NULL	
Title	varchar(20)	YES		NULL	
Language_id	int(11)	YES	MUL	NULL	
Publisher_id	int(11)	YES	MUL	NULL	
Published_date	date	YES		NULL	
volume	int(11)	YES		NULL	
MRP	int(11)	YES		NULL	
Status	varchar(20)	YES		NULL	

8 rows in set (0.00 sec)

```
mysql> DESCRIBE Author;
```

Field	Type	Null	Key	Default	Extra
Author_id	int(11)	NO	PRI	NULL	
Name	varchar(20)	YES		NULL	
Email	varchar(20)	YES		NULL	
Phone_Number	varchar(10)	YES		NULL	
Status	varchar(20)	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> DESCRIBE Book_Author;
```

Field	Type	Null	Key	Default	Extra
Book_id	int(11)	NO	PRI	NULL	
Author_id	int(11)	NO	PRI	NULL	

2 rows in set (0.00 sec)

```
mysql> DESCRIBE Publisher;
```

Field	Type	Null	Key	Default	Extra
Publisher_id	int(11)	NO	PRI	NULL	
Name	varchar(20)	YES		NULL	
Address	varchar(20)	YES		NULL	

3 rows in set (0.00 sec)

mysql> DESCRIBE Member;

Field	Type	Null	Key	Default	Extra
Member_id	int(11)	NO	PRI	NULL	
Branch_code	int(11)	YES		NULL	
Roll_no	int(11)	YES		NULL	
Phone_number	varchar(10)	YES		NULL	
Email_id	varchar(20)	YES		NULL	
Date_of_join	date	YES		NULL	
Status	varchar(20)	YES		NULL	

7 rows in set (0.00 sec)

mysql> DESCRIBE Book_Issue;

Field	Type	Null	Key	Default	Extra
Issue_id	int(11)	NO	PRI	NULL	
Date_of_issue	date	YES		NULL	
Book_id	int(11)	YES	MUL	NULL	
Member_id	int(11)	YES	MUL	NULL	
Expected_date_of_return	date	YES		NULL	
Status	varchar(20)	YES		NULL	

6 rows in set (0.00 sec)

mysql> DESCRIBE Book_Return;

Field	Type	Null	Key	Default	Extra
Issue_id	int(11)	YES	MUL	NULL	
Actual_date_of_return	date	YES		NULL	
Late_days	int(11)	YES		NULL	
Late_fee	int(11)	YES		NULL	

4 rows in set (0.00 sec)

mysql> DESCRIBE Language;

Field	Type	Null	Key	Default	Extra
Language_id	int(11)	NO	PRI	NULL	
Name	varchar(20)	YES		NULL	

2 rows in set (0.00 sec)