

SQL Lab Question

Question. Create following tables.

Author Table

```
mysql> create table author(id int primary key, aname varchar(100) not null, email varchar(100), phone varchar(15));
Query OK, 0 rows affected (0.14 sec)
```

```
mysql> desc author;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
aname	varchar(100)	NO		NULL	
email	varchar(100)	YES		NULL	
phone	varchar(15)	YES		NULL	

4 rows in set (0.03 sec)

```
mysql> insert into author values
-> (1, 'Chetan Bhagat', 'chetan@gmail.com', '9876543210'),
-> (2, 'Arundhati Roy', 'arundhati@gmail.com', '9876543220'),
-> (3, 'R. K. Narayan', 'rk narayan@gmail.com', '9876543230');
Query OK, 3 rows affected (0.03 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> select * from author;
```

id	aname	email	phone
1	Chetan Bhagat	chetan@gmail.com	9876543210
2	Arundhati Roy	arundhati@gmail.com	9876543220
3	R. K. Narayan	rk narayan@gmail.com	9876543230

3 rows in set (0.00 sec)

Publisher Table

```
mysql> create table publisher(id int primary key, publishername varchar(100) not null, address1 varchar(200), address2 varchar(200),
city varchar(100), phone varchar(20),email varchar(100));
Query OK, 0 rows affected (0.09 sec)
```

```
mysql> desc publisher;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
publishername	varchar(100)	NO		NULL	
address1	varchar(200)	YES		NULL	
address2	varchar(200)	YES		NULL	
city	varchar(100)	YES		NULL	
phone	varchar(20)	YES		NULL	
email	varchar(100)	YES		NULL	

7 rows in set (0.01 sec)

```
mysql> insert into publisher values
-> (1, 'Penguin India', 'MG Road', 'Connaught Place', 'Delhi', '0112345678', 'penguin@gmail.com'),
-> (2, 'HarperCollins', 'Park Street', 'Sector 5', 'Kolkata', '0332345678', 'harper@gmail.com'),
-> (3, 'Oxford Press', 'Church Road', 'Central Area', 'Mumbai', '0222345678', 'oxford@gmail.com');
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> select * from publisher;
```

id	publishername	address1	address2	city	phone	email
1	Penguin India	MG Road	Connaught Place	Delhi	0112345678	penguin@gmail.com
2	HarperCollins	Park Street	Sector 5	Kolkata	0332345678	harper@gmail.com
3	Oxford Press	Church Road	Central Area	Mumbai	0222345678	oxford@gmail.com

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

Book Table

```
mysql> create table book(
  -> id int primary key, title varchar(200) not null,
  -> author1id int,
  -> author2id int,
  -> price decimal(10,2),
  -> noofpage int,
  -> edition varchar(50), pubid int,
  -> foreign key (author1id) references author(id),
  -> foreign key (author2id) references author(id),
  -> foreign key (pubid) references publisher(id));
Query OK, 0 rows affected (0.18 sec)
```

```
mysql> desc book;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
title	varchar(200)	NO		NULL	
author1id	int	YES	MUL	NULL	
author2id	int	YES	MUL	NULL	
price	decimal(10,2)	YES		NULL	
noofpage	int	YES		NULL	
edition	varchar(50)	YES		NULL	
pubid	int	YES	MUL	NULL	

```
8 rows in set (0.01 sec)
```

```
mysql> insert into book values
```

```
  -> (1, 'Five Point Someone', 1, NULL, 399.00, 270, '1st', 1),
  -> (2, 'The God of Small Things', 2, NULL, 499.50, 340, '2nd', 2),
  -> (3, 'Malgudi Days', 3, NULL, 299.00, 220, '3rd', 3),
  -> (4, 'The Guide', 3, NULL, 350.00, 300, '2nd', 1),
  -> (5, 'Joint Writing Book', 1, 2, 650.00, 420, '1st', 2);
```

```
Query OK, 5 rows affected (0.02 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

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

id	title	author1id	author2id	price	noofpage	edition	pubid
1	Five Point Someone	1	NULL	399.00	270	1st	1
2	The God of Small Things	2	NULL	499.50	340	2nd	2
3	Malgudi Days	3	NULL	299.00	220	3rd	3
4	The Guide	3	NULL	350.00	300	2nd	1
5	Joint Writing Book	1	2	650.00	420	1st	2

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