

Types of relationship and Inner Join in MySQL Database

create table Departments

```
(  
id int not null auto_increment primary key,  
  
Name varchar(30)  
)
```

Create table Empolyees

```
(  
id int not null auto_increment primary key,  
fname varchar(30),  
lname varchar(40),  
phone varchar(20),  
  
ManagerId int,  
DepartmentId int,  
  
salary varchar(10),  
  
FOREIGN KEY (ManagerId) REFERENCES Empolyees(id),  
FOREIGN KEY (DepartmentId) REFERENCES Departments(id)
```

)

Create table customers

(

id int not null auto_increment primary key,

name varchar(20),

address varchar(100),

email varchar(30),

phone varchar(20)

)

create table xyz

(

id int not null auto_increment primary key,

customerId int,

employeeId int,

price varchar(20),

address varchar(100),

FOREIGN KEY (customerId) REFERENCES customers(id),

FOREIGN KEY(employeeId) REFERENCES Empolyees(id)

)

create table Books

```
(  
id int not null auto_increment primary key,  
title varchar(100)  
)  
insert into Books(title)values('Socail')
```

Create table Authors

```
(  
id int Not Null auto_increment primary key,  
  
Name varchar(40),  
country varchar(30)  
)
```

select * from Authors

select * from Books

insert into Authors(Name, country) values('Author4','Nepal')

Create table BooksAuthors

```
(  
  AuthorId int,  
  BookId int,  
  
  FOREIGN KEY(AuthorId)REFERENCES Authors(id),  
  FOREIGN KEY(BookId) REFERENCES Books(id)  
)
```

```
Insert into BooksAuthors  
(AuthorId,BookId)VALUES('04','05')
```

```
select * from BooksAuthors
```

```
SELECT  
  
  ba.AuthorId,  
  a.name AutorName,  
  ba.BookId,  
  b.title BookTitle  
  
FROM BooksAuthors ba  
  
INNER JOIN Authors a ON a.id = ba.AuthorId  
INNER JOIN Books b ON b.id = ba.BookId
```