

## Requirement

```
create table Requirement(id int auto_increment primary key, requirementArea varchar(75))
engine=InnoDB;
```

## Course

```
create table Course(id int auto_increment primary key, coursePrefix varchar(4), courseNum
varchar(6), courseTitle varchar(50), creditHours int, reqFulfilled int, foreign key
(reqFulfilled) references Requirement(id)) engine=InnoDB;
```

## Section

```
create table Section(id int auto_increment primary key, sectNum varchar(10), timeStart
varchar(8), timeEnd varchar(8), meetingDays varchar(5), roomNumber int, buildingNumber int,
instructor varchar(30), courseId int, foreign key (courseId) references Course(id))
engine=InnoDB;
```

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```
mysql> describe Requirement;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
requirementArea	varchar(75)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> describe Course;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
coursePrefix	varchar(4)	YES		NULL	
courseNum	varchar(6)	YES		NULL	
courseTitle	varchar(50)	YES		NULL	
creditHours	int(11)	YES		NULL	
reqFulfilled	int(11)	YES	MUL	NULL	

6 rows in set (0.00 sec)

```
mysql> describe Section;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
sectNum	varchar(10)	YES		NULL	
timeStart	varchar(8)	YES		NULL	
timeEnd	varchar(8)	YES		NULL	
meetingDays	varchar(5)	YES		NULL	
roomNumber	int(11)	YES		NULL	
buildingNumber	int(11)	YES		NULL	
instructor	varchar(30)	YES		NULL	
courseId	int(11)	YES	MUL	NULL	

9 rows in set (0.00 sec)