

## MySQL Join three tables



Hi I have three tables named

**\*\*Student Table\*\***

id	name
1	ali
2	ahmed
3	john
4	king

**\*\*Course Table\*\***

id	name
1	physic
2	maths
3	computer
4	chemistry

**\*\*Bridge\*\***

sid	cid
1	1
1	2
1	3
1	4
2	1
2	2
3	3
3	4
4	1
4	2

now to show student name with the course name which he had studied like,

**\*\*Result\*\***

Student	Course
ahmed	physic
ahmed	maths
ahmed	computer
ahmed	chemistry
ali	physic
ali	maths
john	computer
john	chemistry
king	physic
king	maths

I build following query

```
select s.name as Student, c.name as Course from student s, course c join bridge b
on c.id = b.cid order by s.name
```

but it does not return the required result..

and what would be for normalized form, if I want to find who is manager over other

**\*\*employee\*\***

id	name
1	ali
2	king
3	mak
4	sam
5	jon

**\*\*manage\*\***

mid	eid
1	2
1	3
3	4
4	5

and wants to get result

```


**result**
-----
Manager      Staff
-----
ali           king
ali           mak
mak           sam
sam           jon

```

mysql

edited Oct 11 '10 at 14:15

asked Sep 14 '10 at 13:58



PHP Ferrari

3,129 ● 14 ● 48 ● 95

4 Answers


why not simply:

```

select s.name "Student", c.name "Course"
from student s, bridge b, course c
where b.sid = s.sid and b.cid = c.cid

```

answered Sep 14 '10 at 14:11



raisyn

1,149 ● 3 ● 16 ● 33

See [stackoverflow.com/questions/13476029/...](https://stackoverflow.com/questions/13476029/...) – 10basetom Aug 30 '14 at 11:51




Why not this:

```

SELECT s.name AS Student, c.name AS Course FROM student s LEFT JOIN (bridge b CROSS JOIN course c) ON (s.id = b.sid AND b.cid = c.id);

```

answered Apr 29 '14 at 17:22



user3477784

1

This answer adds nothing new to this question and uses strange (if not plain wrong syntax, I'd be surprised if this was even valid in MySQL). – AeroX 2 days ago


For normalize form

```

select e1.name as 'Manager', e2.name as 'Staff'
from employee e1
left join manage m on m.mid = e1.id
left join employee e2 on m.eid = e2.id

```

answered Sep 21 '10 at 6:21



PHP Ferrari

3,129 ● 14 ● 48 ● 95

Use ANSI syntax and it will be a lot more clear how you are joining the tables:

```
select s.name as Student, c.name as Course
from student s
inner join bridge b on s.id = b.sid
inner join course c on b.cid = c.cid
order by s.name
```

answered Sep 14 '10 at 14:00



[RedFilter](#)

89.6k ● 8 ● 155 ● 187

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4 @Muhammad: Our answers are the same, they differ only in syntax. If you are not aware of ANSI syntax, it is well worth your time to learn it. It will help you avoid JOIN errors like you have made in the future. – [RedFilter](#) Sep 14 '10 at 14:38 🗨

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Thanks works for me. :) – [Code Lover](#) Feb 23 '13 at 16:11

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