

SQL outer joins lab - review

Write SQL to answer the following questions. Use the courses data (read the files [courses-ddl.sql](#) and [courses-small.sql](#)).

1. Perform a natural join on the student and takes tables. Examine the output.

```
select * from student natural join takes;
```

2. Perform a natural left outer join on the student and takes tables. Compare the output to part 1 above.

```
select * from student natural left outer join takes;
```

3. Write an SQL query that gives the names of students who have not taken any classes. Hint: remember that to compare an attribute to 'null', you need 'is null', not '= null'.

```
select name  
  from student natural left outer join takes  
 where course_id is null;
```