**Is the students table directly related to the courses table? Why or why not?**

no, there are no related columns that directly correlate with each other.

**Using subqueries only, write a SQL statement that returns the names of those students that are taking the courses  Physics and US History.**

**NOTE: Do not jump ahead and use joins. I want you to solve this problem using only what you've learned in this section.**

select student\_name

from Students

where student\_no IN (select student\_no

from Student\_enrollment

where course\_no IN (select course\_no

from Courses

where course\_title IN ('Physics','US History')));

**Using subqueries only, write a query that returns the name of the student that is taking the highest number of courses.**

**NOTE: Do not jump ahead and use joins. I want you to solve this problem using only what you've learned in this section.**

select student\_name

from Students

where student\_no = (select student\_no

from Student\_enrollment

group by student\_no

order by count(\*) desc

limit 1);

**Answer TRUE or FALSE for the following statement:**

**Subqueries can be used in the FROM clause and the WHERE clause but cannot be used in the SELECT Clause.**

FALSE

**Write a query to find the student that is the oldest. You are not allowed to use LIMIT or the ORDER BY clause to solve this problem.**

select student\_name

from Students

where age = (select max(age)

from Students);