The query from the quiz:

SELECT d.name

FROM drinkers d

WHERE NOT EXISTS

(Select s.bar

From likes l, sells s, frequents f

Where (l.beer = s.beer) and (l.drinker=d.name) and (f.drinker=l.drinker))

**ANSWER**: It would be “Drinkers who do not frequent any bar which serve a beer they like” if there was condition on bar (f.bar=s.bar). But without this condition its English translation is torturous…

We won’t even give it here (mind twister), but since I had some discussions after class with some of you indicating that *it either will not return any drinker or all drinkers* here is counterexample where Steve is not returned but other drinkers are.

example db instance:

drinkers

Joe

Steve

Ann

Vince

likes

Joe       Sam Adams

Steve    Sam Adams

Steve    Bud

Ann       Sam Adams

Vince     Bud

sells

Cabana  Bud

frequents

Steve   Cave

Joe      Cave

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The result for the original query is:

SELECT [d.name](http://d.name/)

FROM drinkers d

WHERE NOT EXISTS

(Select s.bar

From likes l, sells s, frequents f

Where (l.beer = s.beer) and (l.drinker=[d.name](http://d.name/)) and (f.drinker=l.drinker));

**name**

**Ann**

**Joe**

**Vince**