

# Quiz 1 Solution

# 1. Find the libnums of libraries with a capacity greater than 1000.

- Select libnum from library where capacity > 1000

2. Find the number of copies housed in each library that house at least one copy. The result should be tuples of the form (libnum, number of copies).

- `select libnum, count(copynum) from copy group by libnum`
- `select libnum, count(copynum) from library natural left join copy group by libnum;`

3. Find the number of books written by each author who has written at least one book. The result should be tuples of the form (aid, first, last, number of books written).

- `select aid, first, last, count(booknum) from author natural join writes group by aid, first, last`
- `select aid, first, last, count(booknum) from author natural left join writes group by aid, first, last`