Imagine your new startup PairBnB has now taken off. Thousands of home owners are listing their rooms for rent on your site. How will you display these tens of thousands of room listings on your site? Are you going to show all of them at once to users or are you going to show maybe 50 on each page? Obviously, you will want to do something called pagination (spreading out the number of items shown on each page).

Seed your database

If you have not seeded your database as per the previous challenge, please do it now so that where you do the pagination, you have a reasonable number of examples to test your code on.

Pagination

In RoR and many other frameworks, you can do that with Gems (kaminari, will_paginate are some examples). But it's really not that hard to do it yourself without Gems.

But first try figuring out how to do it just by reading the README on the Gems' source code page:

- https://github.com/amatsuda/kaminari
- https://github.com/mislav/will_paginate

Sorting and Ordering

It's simple enough to choose how you want to sort your listings. Do you want to post them by when they were last created or by alphabet? Check out ActiveRecord's documentation on .order:

http://api.rubyonrails.org/classes/ActiveRecord/QueryMethods.html#method-i-order

What if you wanted to sort by popularity based on how many people books the room? Try figuring it out on your own!

Hint: it involves joining other tables (associations) together.