

```

#####
##
##  PROBLEM 1
##
##  Fill in function below
##
#####
#
# Given a list of strings, and integer, i
# find all strings less then length i, then group
# and count the number of strings by their length
#
# example:
#   strings = [ 'abc', 'defg', 'hi' , 'a', 'b', 'ze', 'ae' ]
#   i = 4
#
#   output = { 1: 2, 2: 3, 3: 1 }
#

def filter_and_group(strings, i)

end

#####
##
##  PROBLEM 2
##
##  In what ways can we refactor this code
##
#####

# #app/models/user.rb
# class User < ActiveRecord::Record
#   attr_accessor :first_name, :last_name
# end
#
# # app/views/users/show.html.erb
# @user = User.find(1)
# <p> <%= @user.full_name %> </p>
#
# # app/views/users/other_1.html.erb
# <p> <%= @user.first_nm %> <%= @user.last_nm %> </p>
#
# # app/views/users/other_2.html.erb
# <p> <%= @user.first_nm %> <%= @user.last_nm %> </p>
#
# # app/views/users/other_3.html.erb
# <p> <%= @user.first_nm %> <%= @user.last_nm %> </p>

#####
##
##  PROBLEM 3
##
##  What are the dangers/inefficiencies of this code below, how can we fix it
##
#####

```

```
# - app/models/book.rb
class Book < ActiveRecord::Record
  has_many :reviews
end

class Review < ActiveRecord::Record
  belongs_to :user
  belongs_to :book
end

class User < ActiveRecord::Record
  has_many :reviews
end
#app/views/users/show.html.erb
@book = Book.find(1)
@book.reviews.each do |review|
  <%= review.content.html_safe %> by <%= review.user.full_name %>
end
```