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## READ WRITE GARDEN ##

# erasure by J. R. Carpenter
# source by Caden Lovelace

# _The Ill-Tempered Rubyist_
# Karen Randall ed., Propolis Press, 2013

$dir = File.dirname(__GARDEN__)

def read_texts()
  return Dir[$dir+"/texts/*.txt"].map do |garden|
    File.read(garden)
  end
end

#### we want to split
#### our text into units
####
#### punctuation marks allow us
#### to treat them as words
####
#### consider the ellipsis
#### for example
####
#### spaces
#### on either side of certain

def tokenize_texts(texts)
  return texts.map do |text|
    text.gsub!(/(\w)([.,:;\/?!]|\.\.\.+) (\W)/i, '\1 \2 \3')
    text.split(' ')
  end
end

#### words often come
#### after other words
####
#### we walk through our garden
#### counting pairs

def generate_frequency_table(tokenized_texts, n)
  frequency_table = {}
  tokenized_texts.each do |text|
    text.each_with_index do |word, i|
      if i+2 < text.length
        # is there a word after this one?
      end
    end
  end
end

```

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#### we write by deciding
#### which path to take
####
#### say we have three words
#### say we know their probability
####
####      ['walk' => 3, 'garden' => 2, 'words' => 4]
####
#### we sum these numbers
#### we pick a lesser number at random
####
#### is the probability of 'walk'
#### greater than random?

      last_word = last_words.join(' ')
      if freq.has_key?(last_word)
          # have we any paths to take?

#### here we separate
#### the punctuation
####
#### make it a word
#### put it back

def fix_punctuation(text)
  return text.gsub(/ ([,.;\/?!]|\.\.\.+) /, '\1 ').gsub(/
" /, "' ")
end

#### here we use all
#### we've written there

frequency_table =
generate_frequency_table(tokenize_texts(read_texts()), 2)

          # here '2' means word-pairs

#### here we set our seeds

seeds = ["I know", "I was", "I have", "but I", "if we", "of
his", "that she", "allow us", "the text", "the other", "the
same", "what is", "on the", "of the", "in the", "through the",
"we have", "we know", "the probability", "the frequency", "a
word", "here we", "we sum", "we set", "our seeds", "we want",
"we walk", "we separate", "we run", "we read", "we write",
"our garden"].map {|seed| seed.split(' ') }

seeds.each do |seed|
  10.times do

    end
end

```