chp2/group\_rank/Gemfile

source 'https://rubygems.org'

gem 'activerecord'

gem 'pg'

chp2/group\_rank/group\_rank.rb

require 'rubygems'

require 'active\_record'

ActiveRecord::Base.establish\_connection(

:adapter => "postgresql",

:database => "company\_data"

)

class Empsalary < ActiveRecord::Base

attr\_accessor :rank

end

time = Benchmark.realtime do

salaries = Empsalary.all.order(:department\_id, :salary)

key, counter = nil, nil

salaries.each do |s|

if s.department\_id != key

key, counter = s.department\_id, 0

end

counter += 1

s.rank = counter

end

end

puts "Group rank with ActiveRecord: %5.3fs" % time

现在让我们运行bundler来安装所有需要的gems并启动applica-查看执行时间：

$ cd group\_rank

$ rbenv shell 2.2.0

$ bundle install --path .bundle/gems

$ bundle exec ruby group\_rank.rb

Group rank with ActiveRecord: 0.264s

仅用246毫秒处理10000行是相当糟糕的。现在试着去做10万行和100万行也是一样。Ruby>=2.0需要分别为2.4秒和24秒。像1.8和1.9这样的老鲁比甚至可能不会结束，因为GC会太频繁地启动。我有足够的耐心等110Ruby1.9处理一百万行的秒数。我很肯定我的代码不是那个病人。