



<https://s-media-cache-ak0.pinimg.com/originals/c4/34/84/c43484d186183ef943761926c779fef4.jpg>

Rake

ruby make

Rake Task

command line utility run with rake

rake --tasks

view all tasks available in the current context

rake about

details about the application environment

rake db:reset

drop and restore the schema of the database

rake db:migrate:redo
rollback then migrate

rake routes

display the routes defined in config/routes.rb



<http://i.ytimg.com/vi/O4pvFkRr8pl/maxresdefault.jpg>

Custom Task

use rake to automate anything you frequently do in the terminal



```
desc "I am short, but comprehensive description for my cool task"
task task_name: [:prerequisite_task, :another_task_we_depend_on]
do
  # All your magic here
  # Any valid Ruby code is allowed
end
```

http://guides.rubyonrails.org/command_line.html#custom-rake-tasks

Dependencies

tasks to run first

```
task :task_name, [:arg_1] => [:pre_1, :pre_2] do
  # You can use args from here
end
```

http://guides.rubyonrails.org/command_line.html#custom-rake-tasks

:environment

the task that sets up the rails context

Arguments



```
task :task_name, [:arg_1] => [:pre_1, :pre_2] do |t, args|
  # You can use args from here
end
```

http://guides.rubyonrails.org/command_line.html#custom-rake-tasks

Namespacing

group like tasks



```
namespace :db do
  desc "This task does nothing"
  task :nothing do
    # Seriously, nothing
  end
end
```

http://guides.rubyonrails.org/command_line.html#custom-rake-tasks

Try Me

write the following rake tasks:

- * repeat, takes and argument and echoes the argument
- * count:down which takes an integer and counts down one number per second until it gets to one



<http://imgs.abduzeedo.com/files/articles/baby-animals/Baby-Animals-042.jpg>

Emailing

using Action Mailer

generator



```
$ bin/rails generate mailer UserMailer
create  app/mailers/user_mailer.rb
create  app/mailers/application_mailer.rb
invoke  erb
        create    app/views/user_mailer
        create    app/views/layouts/mailер.text.erb
        create    app/views/layouts/mailер.html.erb
```

http://edgeguides.rubyonrails.org/action_mailer_basics.html#walkthrough-to-generating-a-mailer

Mailer

```
class UserMailer < ApplicationMailer
  default from: 'notifications@example.com'

  def welcome_email(user)
    @user = user
    @url = 'http://example.com/login'
    mail(to: @user.email, subject: 'Welcome to My Awesome Site')
  end
end
```

analogous to a controller

http://edgeguides.rubyonrails.org/action_mailer_basics.html#sending-emails

Mailer View



```
<!DOCTYPE html>
<html>
  <head>
    <meta content='text/html; charset=UTF-8' http-equiv='Content-Type' />
  </head>
  <body>
    <h1>Welcome to example.com, <%= @user.name %></h1>
    <p>
      You have successfully signed up to example.com,
      your username is: <%= @user.login %>.<br>
    </p>
    <p>
      To login to the site, just follow this link: <%= @url %>.
    </p>
    <p>Thanks for joining and have a great day!</p>
  </body>
</html>
```

http://edgeguides.rubyonrails.org/action_mailer_basics.html#sending-emails

deliver_later

```
# Tell the UserMailer to send a welcome email after save
UserMailer.welcome_email(@user).deliver_later
```

http://edgeguides.rubyonrails.org/action_mailer_basics.html#sending-emails

deliver_now

```
 class SendWeeklySummary
  def run
    User.find_each do |user|
      UserMailer.weekly_summary(user).deliver_now
    end
  end
end
```

http://edgeguides.rubyonrails.org/action_mailer_basics.html#sending-emails

Emails in Rake Tasks

depend on :environment task

Try Me

add a route to your app at /email_me/cats

when this route is hit, email yourself some cat pictures



https://pbs.twimg.com/profile_images/548735129922068480/RdgQJ7_P.jpeg

Deployment

<https://devcenter.heroku.com/articles/getting-started-with-rails4#heroku-gems>