Running the Server

Objective

- To run your rails application on your machine.

Steps

Step 1

Check the versions of installed ruby, rails and ruby gems by running the following commands in the terminal:

```
$ ruby -v
  ruby 2.0.0p247 (2013-06-27 revision 41674) [x86_64-darwin12.5.0]

 $ rails -v
   Rails 4.0.0

$ gem env
  RUBYGEMS VERSION: 2.1.5
```

Step 2

Change directory to where you want to work on new projects.

```
$ cd projects
```

Step 3

Create a new Rails project called blog by running the following command.

```
$ rails new blog
```

Step 4

Open a terminal and change directory to the blog project.

```
$ cd blog
```

Step 5

Open the blog project in your favorite IDE. For textmate :

```
$ mate .
```

Step 6

Run the rails server:

```
$ rails s
```

Step 7

Open a browser window and enter http://localhost:3000

Step 8

You can shutdown your server by pressing Control+C. If you use Control+Z, you will send the process to the background which means it will still be running but the terminal will be available for you to enter other commands. If you want to see the server running to see the log messages you can do :

```
$ fg
```

which will bring the background process to the foreground.

Step 9

Click on the 'About' link and check the versions of software installed. If the background of the about section is yellow, installation is fine. If it is red then something is wrong with the installation.

Explanation

The rails generator automatically runs the Bundler command bundle to install your application dependencies by reading the Gemfile. The Gemfile contains all the gems

that your application needs. rails s (s is a short-cut for server) runs your server on your machine on port 3000.