

Universidad Nacional Autónoma De Nicaragua Unan-León



Facultad Ciencia y tecnología

Carrera: ingeniería en Telemática

Componente: Software Como Servicio.

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- *“A la libertad por la universidad”*

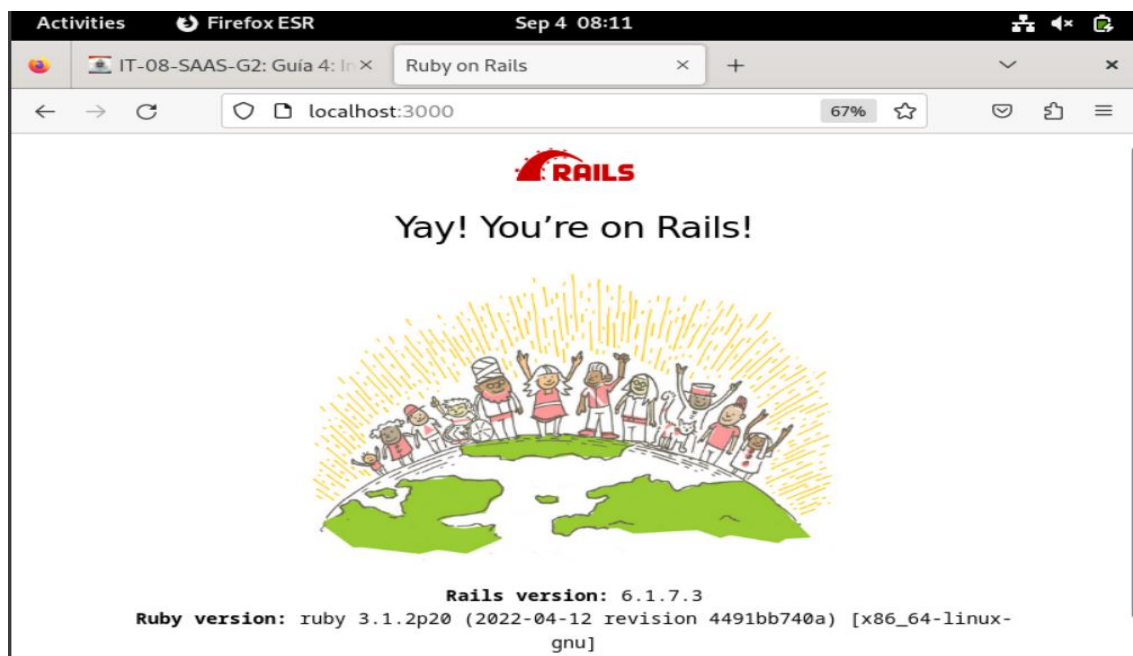
1.2

```
lenuelp@Debian12:~/Desktop/proyecto_ror$ rails new guia5
create
create  README.md
create  Rakefile
create  .ruby-version
create  config.ru
create  .gitignore
create  .gitattributes
create  Gemfile
run     git init from "."
```

1.3

```
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ rails s
=> Booting Puma
=> Rails 6.1.7.3 application starting in development
=> Run `bin/rails server --help` for more startup options
Puma starting in single mode...
* Puma version: 5.6.5 (ruby 3.1.2-p20) ("Birdie's Version")
* Min threads: 5
* Max threads: 5
* Environment: development
* PID: 44538
* Listening on http://127.0.0.1:3000
* Listening on http://[::1]:3000
Use Ctrl-C to stop
```

1.4



1. Generar un nuevo controlador

1.1

```
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ ls app/controllers/*_controller.rb
app/controllers/application_controller.rb  app/controllers/welcome_controller.rb
```

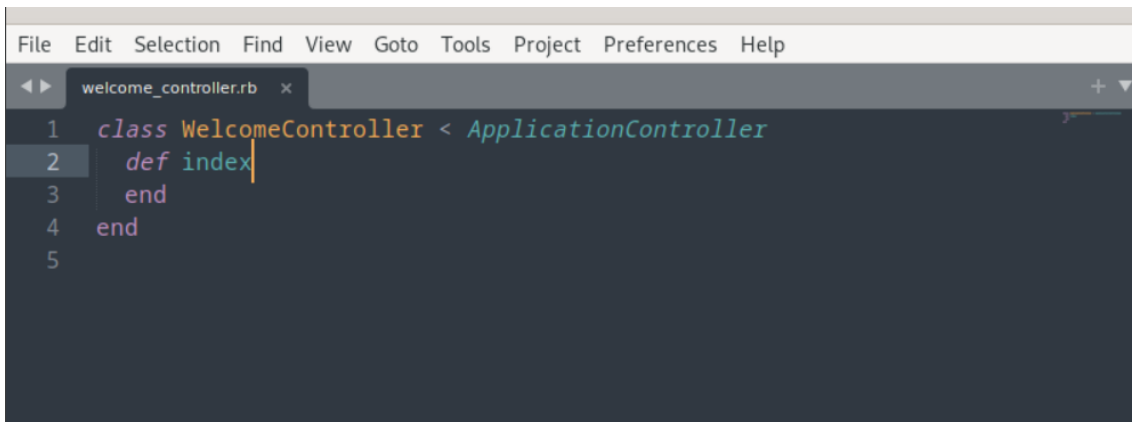
1.2

```
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ rails generate controller welcome index
Running via Spring preloader in process 44011
   create  app/controllers/welcome_controller.rb
   route   get 'welcome/index'
   invoke  erb
   create  app/views/welcome
   create  app/views/welcome/index.html.erb
   invoke  test_unit
   create  test/controllers/welcome_controller_test.rb
   invoke  helper
   create  app/helpers/welcome_helper.rb
   invoke  test_unit
   invoke  assets
   invoke  scss
   create  app/assets/stylesheets/welcome.scss
```

1.3

```
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ ls app/controllers/*_controller.rb
app/controllers/application_controller.rb  app/controllers/welcome_controller.rb
```

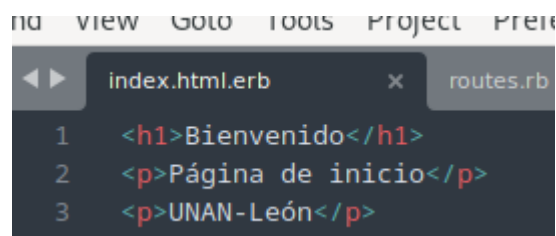
1.4



```
File Edit Selection Find View Goto Tools Project Preferences Help
welcome_controller.rb x
1 class WelcomeController < ApplicationController
2   def index
3   end
4 end
5
```

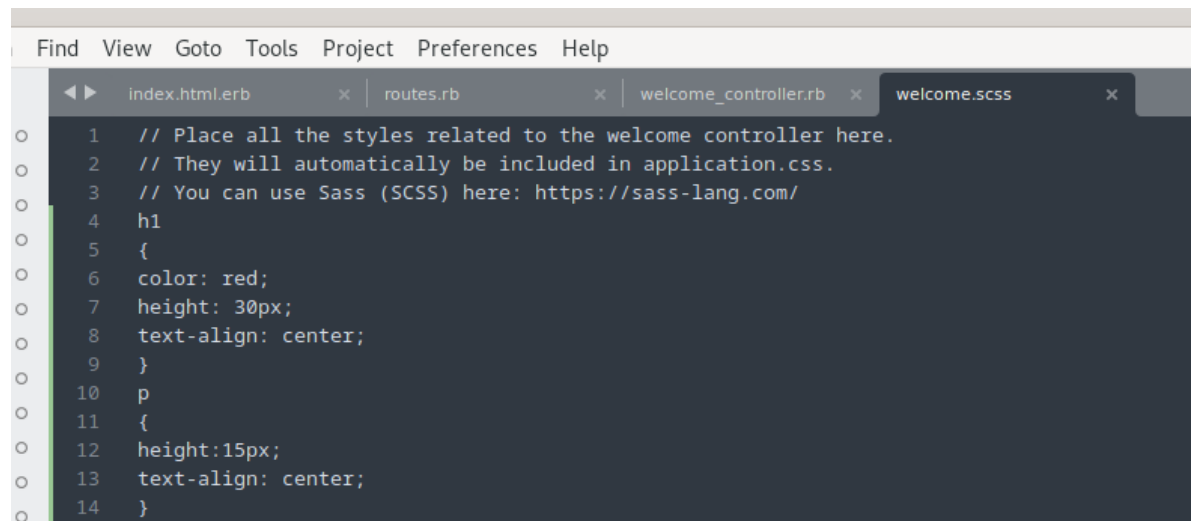
2. Trabajar con vista

2.1



```
nd view Goto Tools Project Pre
index.html.erb x routes.rb
1 <h1>Bienvenido</h1>
2 <p>Página de inicio</p>
3 <p>UNAN-León</p>
```

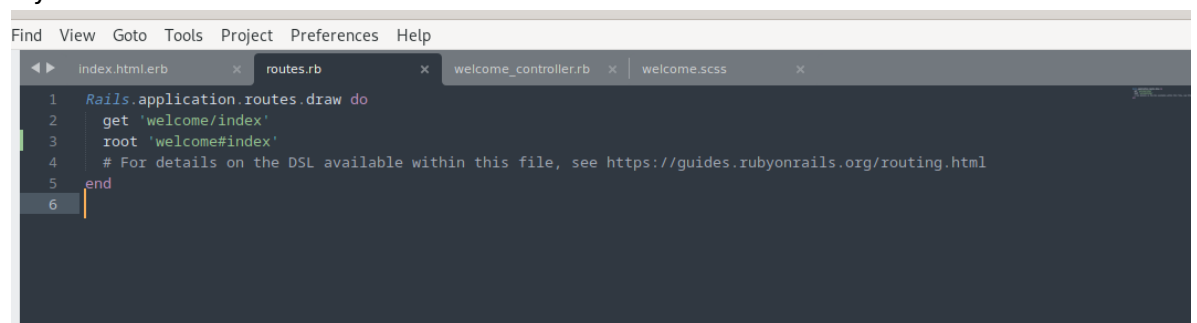
2.2



A screenshot of a code editor window with a menu bar (Find, View, Goto, Tools, Project, Preferences, Help) and four open tabs: index.html.erb, routes.rb, welcome_controller.rb, and welcome.scss. The welcome.scss file is active, showing SCSS code for styling a welcome page. The code includes comments and styles for an h1 and a paragraph (p).

```
1 // Place all the styles related to the welcome controller here.
2 // They will automatically be included in application.css.
3 // You can use Sass (SCSS) here: https://sass-lang.com/
4 h1
5 {
6   color: red;
7   height: 30px;
8   text-align: center;
9 }
10 p
11 {
12   height: 15px;
13   text-align: center;
14 }
```

3 y 4



A screenshot of a code editor window with the same menu bar and tabs as the previous image. The routes.rb file is active, showing Ruby code for defining routes. The code uses the Rails.application.routes.draw do block to define a GET route for 'welcome/index' and a root route for 'welcome#index'.

```
1 Rails.application.routes.draw do
2   get 'welcome/index'
3   root 'welcome#index'
4   # For details on the DSL available within this file, see https://guides.rubyonrails.org/routing.html
5 end
6
```

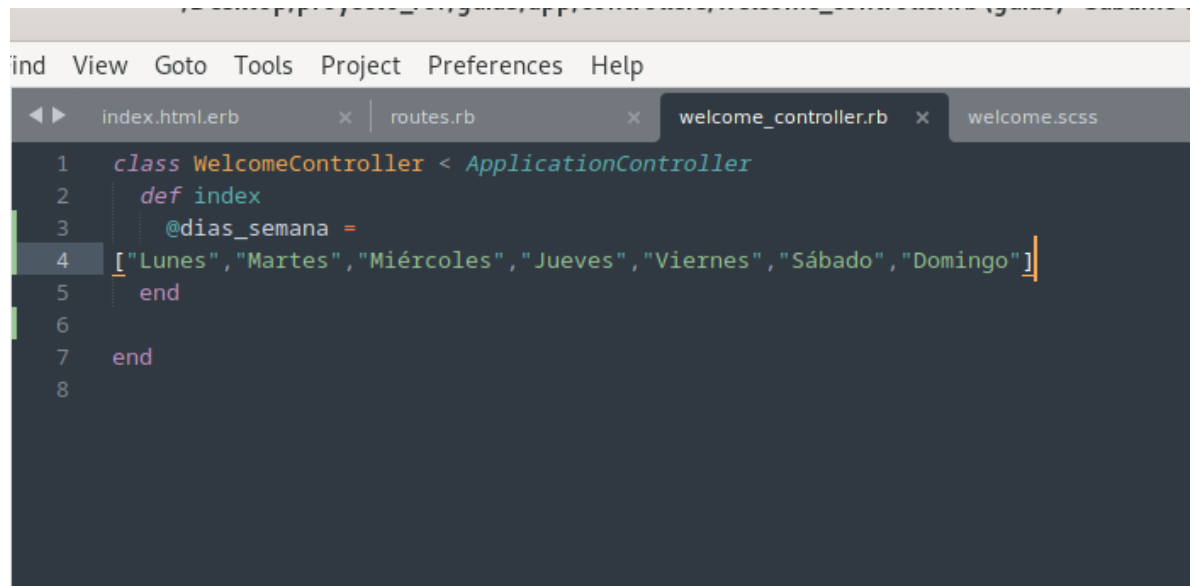


Bienvenido

Página de inicio

UNAN-León

5

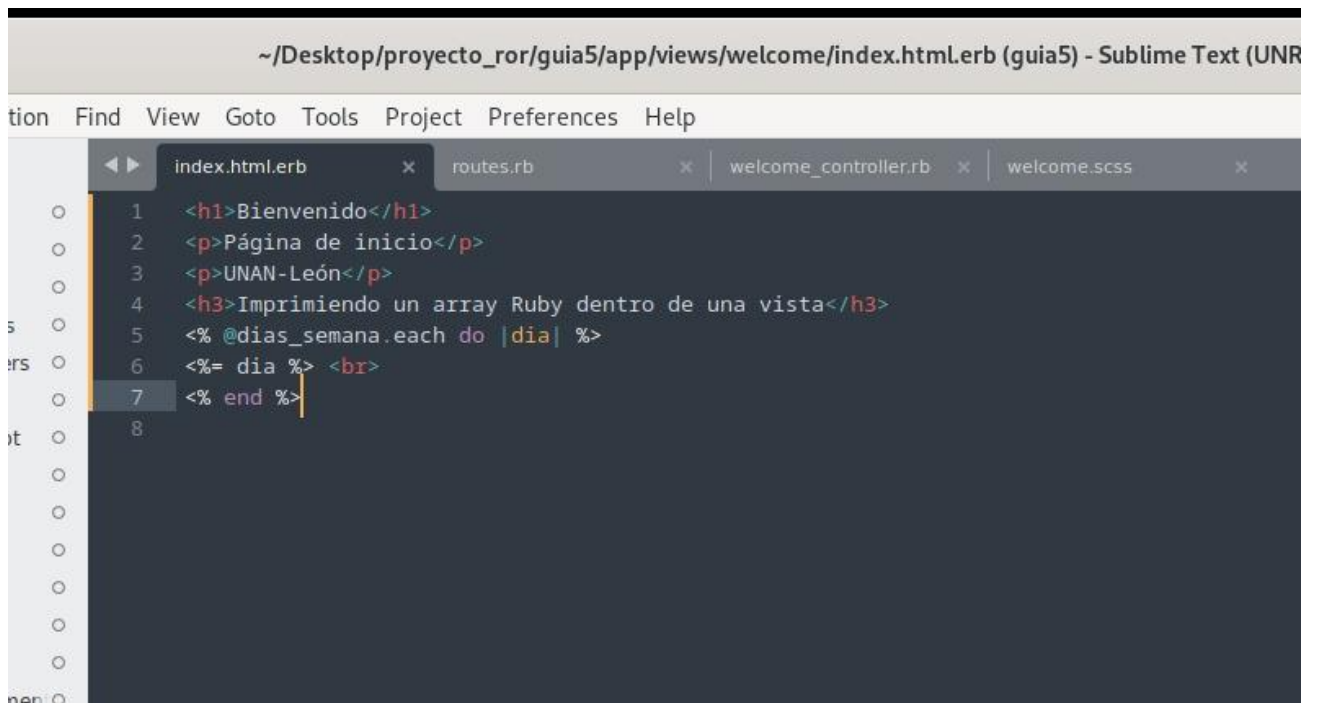


```
ind View Goto Tools Project Preferences Help

index.html.erb x routes.rb x welcome_controller.rb x welcome.scss

1 class WelcomeController < ApplicationController
2   def index
3     @dias_semana =
4     ["Lunes", "Martes", "Miércoles", "Jueves", "Viernes", "Sábado", "Domingo"]
5   end
6
7 end
8
```

6



```
~/Desktop/proyecto_ror/guia5/app/views/welcome/index.html.erb (guia5) - Sublime Text (UNR

tion Find View Goto Tools Project Preferences Help

index.html.erb x routes.rb x welcome_controller.rb x welcome.scss x

1 <h1>Bienvenido</h1>
2 <p>Página de inicio</p>
3 <p>UNAN-León</p>
4 <h3>Imprimiendo un array Ruby dentro de una vista</h3>
5 <% @dias_semana.each do |dia| %>
6 <%= dia %> <br>
7 <% end %>
8
```

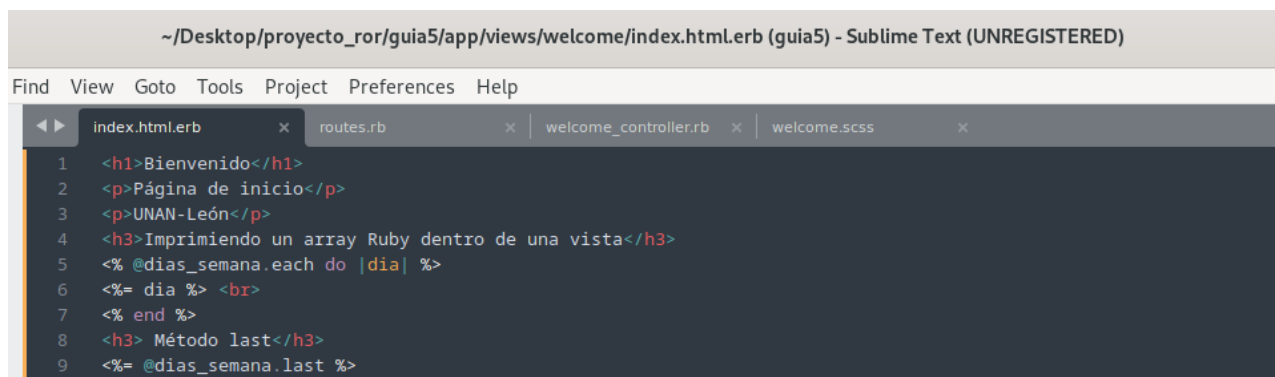
7



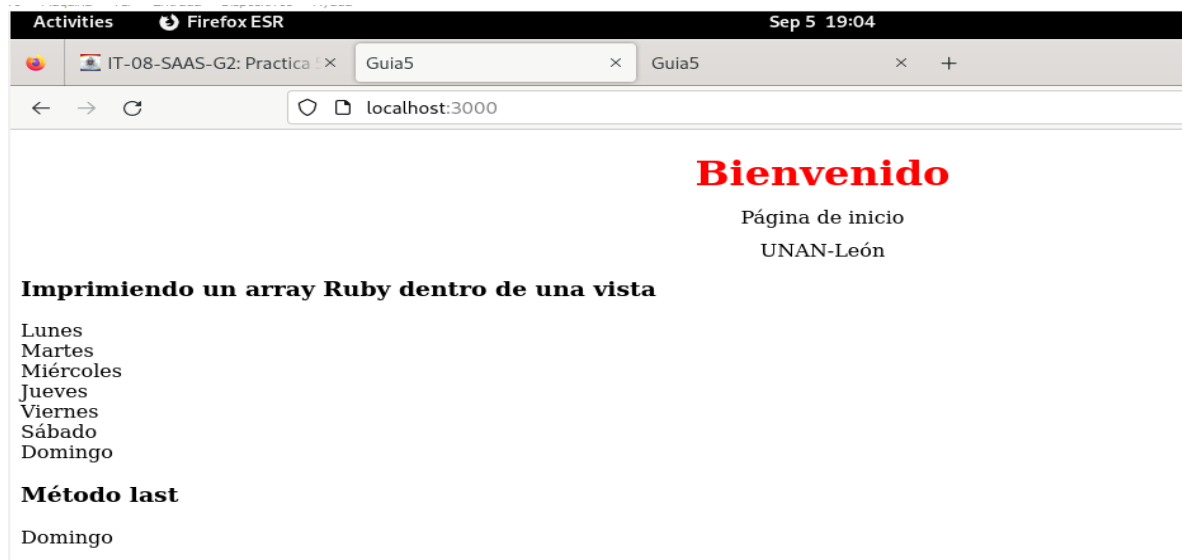
Imprimiendo un array Ruby dentro de una vista

Lunes
Martes
Miércoles
Jueves
Viernes
Sábado
Domingo

8



9



Ejercicio

Ejercicios propuestos para ser entregados al docente

1. Realizar cada uno de los enunciados de la guía.
2. Muestre en la vista **index.html.erb** el primer dato almacenado y el tamaño completo del array, haga uso de métodos similares a los vistos anteriormente.

Ejemplo:

Primer campo del array

Lunes

Tamaño del array

7

```
Find View Goto Tools Project Preferences Help
index.html.erb x routes.rb x welcome_controller.rb x welcome.scss x
1 <h1>Bienvenido</h1>
2 <p>Página de inicio</p>
3 <p>UNAN-León</p>
4 <h3>Imprimiendo un array Ruby dentro de una vista</h3>
5 <% @dias_semana.each do |dia| %>
6 <%= dia %> <br>
7 <% end %>
8 <h3> Método last</h3>
9 <%= @dias_semana.last %>
10 <h4>Datos del array</h4>
11 <p><strong>Primer campo del array:</strong> <%= @dias_semana.first %></p>
12 <p><strong>Dimension del array:</strong> <%= @dias_semana.size %></p>
13
```

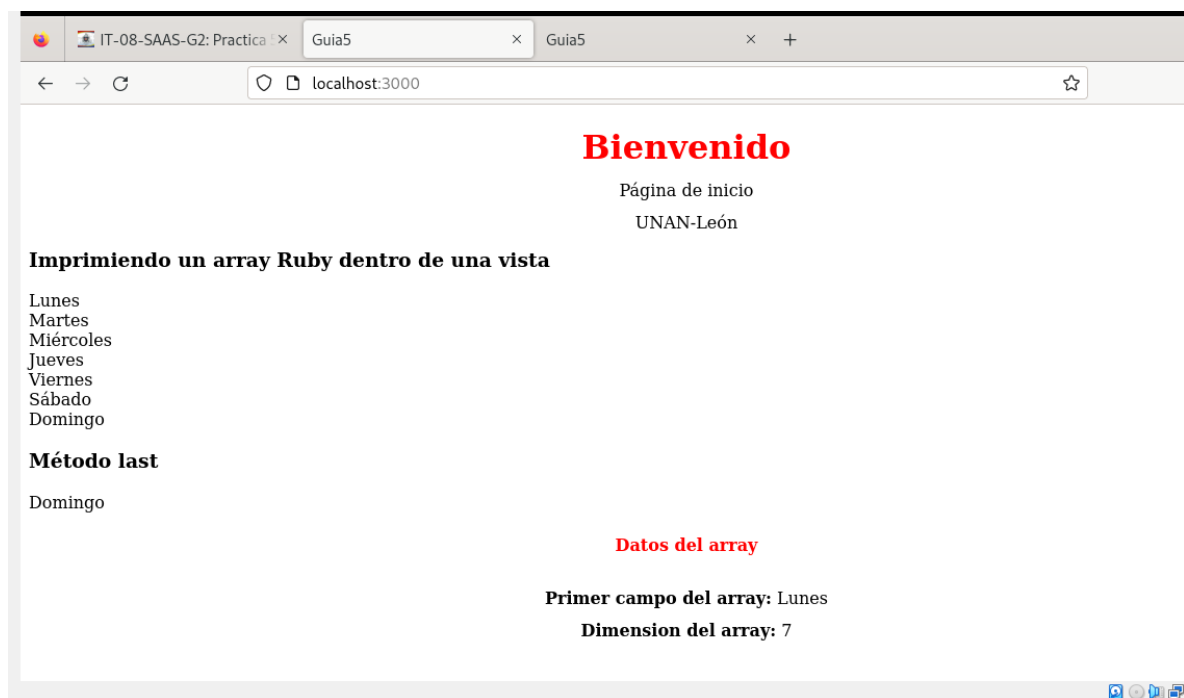
~/Desktop/proyecto_ror/guia5/app/assets/stylesheets/welcome.scss (guia5) - Sublime Text

Edit Selection Find View Goto Tools Project Preferences Help

LDERS

- guia5
 - app
 - assets
 - channels
 - application
 - controllers
 - helpers
 - javascript
 - jobs
 - /* application
 - mailers
 - models
 - views
 - bin
 - config
 - environment
 - initializers
 - locales
 - webpack
 - /* application
 - /* boot.rb
 - /* cable.yml

```
1 // Place all the styles related to the welcome controller here.
2 // They will automatically be included in application.css.
3 // You can use Sass (SCSS) here: https://sass-lang.com/
4 h1
5 {
6   color: red;
7   height: 30px;
8   text-align: center;
9 }
10 p
11 {
12   height:15px;
13   text-align: center;
14 }
15 h4
16 {
17   color: red;
18   height: 30px;
19   text-align: center;
20 }
21 p
22 {
23   height:15px;
24   text-align: center;
25 }
```



3. Generar un nuevo controlador de nombre “hash” y una acción que es la que tendrá relación con la vista llamada “mostrar”, similar al realizado al inicio de esta guía.
4. Dentro de la acción mostrar que se creó junto al nuevo controlador del proyecto, crear un hash con los datos de una persona: nombre, apellido, teléfono, correo.
5. Modificar la vista del controlador creado anteriormente y mostrar los datos del hash en una tabla html.
6. Agregar código css a la tabla, se mostrará en la vista como en la figura que se puede ver que la tabla contiene formato, colores, bordes.
7. Configurar el archivo **routes.rb** para cambiar la página de inicio del proyecto y ahora hacerlo apuntar al nuevo controlador junto con su respectiva vista, la cual deberá quedar como se observa en la figura



```
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ rails generate controller hash mostrar
Running via Spring preloader in process 45995
   create  app/controllers/hash_controller.rb
   route   get 'hash/mostrar'
   invoke  erb
   create  app/views/hash
   create  app/views/hash/mostrar.html.erb
   invoke  test_unit
   =====
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$ ls app/controllers/*_controller.rb
app/controllers/application_controller.rb  app/controllers/welcome_controller.rb
app/controllers/hash_controller.rb
lenuelp@Debian12:~/Desktop/proyecto_ror/guia5$
```

~/Desktop/proyecto_ror/guia5/app/controllers/hash_controller.rb • (guia5) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS

- guia5
 - app
 - assets
 - config
 - images
 - stylesheet
 - channels
 - application
 - controllers
 - helpers
 - javascript
 - jobs
 - mailers
 - models
 - views
 - hash
 - mostrar
 - layouts

```
1 class HashController < ApplicationController
2   def mostrar
3     @persona = {
4       Nombre: "Mario", Apellido: "Perez", Telefono: "89221772", Correo: "Mario@gmail.com"
5     }
6   end
7 end
8
9
```

~/Desktop/proyecto_ror/guia5/app/views/hash/mostrar.html.erb • (guia5) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

hash_controller.rb x routes.rb x application.css x mostrar.html.erb

```
1 <h1>Segundo controlador</h1>
2 <h5>Hashes</h5>
3
4 <table border="1">
5
6   <tr>
7     <th>nombre</th>
8     <td><%= @persona[:nombre] %></td>
9   </tr>
10
11   <tr>
12     <th>apellido</th>
13     <td><%= @persona[:apellido] %></td>
14   </tr>
15
16   <tr>
17     <th>telefono</th>
18     <td><%= @persona[:telefono] %></td>
19   </tr>
20
21   <tr>
22     <th>correo</th>
23     <td><%= @persona[:correo] %></td>
24   </tr>
25
26 </tr>
27
28 </table>
```

```
Find View Goto Tools Project Preferences Help
hash_controller.rb x routes.rb x application.css x mostrar.html.erb x
7 *
8 * You're free to add application-wide styles to this file and they'll appear at the bottom of the
9 * compiled file so the styles you add here take precedence over styles defined in any other CSS/
10 * files in this directory. Styles in this file should be added after the last require_* statement
11 * It is generally better to create a new file per style scope.
12 *
13 *= require_tree .
14 *= require_self
15 */
16
17
18
19 table{
20   width: 25%;
21   border-collapse: collapse
22 }
23 td{
24   border: 2px solid black;
25   padding: 6px;
26   text-align: left;
27   background-color: grey;
28 }
29 th{
30   background-color: blue;
31 }
32
33
```

```
Find View Goto Tools Project Preferences Help
hash_controller.rb x routes.rb x application.css x mostrar.html.erb x
1 Rails.application.routes.draw do
2   get 'hash/mostrar'
3   get 'welcome/index'
4   root 'welcome#index'
5   # For details on the DSL available within this file, see https://guides.rubyonrails.org/routing.html
6 end
7
```

Activities Firefox ESR Sep 5 21:27

Guia5 x +

localhost:3000/hash/mostrar

Segundo controlador

Hashes

>

nombre	Mario
apellido	Perez
telefono	89221772
correo	Mario@gmail.com