

Experiment No 8

Install Ruby Environment Setup and Write a Ruby program which accept the user's first and last name and print them in reverse order with a space between them.

Steps:

To connect your Ruby code with HTML, you'll typically use a web framework like Ruby on Rails, Sinatra,

sudo apt update

sudo apt install ruby-full

sudo su

gem install Sinatra

OR

```
sudo apt-get install ruby-full
sudo apt-get update -y
sudo apt-get install -y ruby-sinatra
```

- 1) Create a file called app.rb for your Sinatra application.

app.rb

```
require 'sinatra'
```

```
# Method to reverse the name
```

```
def reverse_name(first_name, last_name)
```

```
  "#{last_name} #{first_name}"
```

```
end
```

```
get '/' do
```

```
  erb :index
```

```
end
```

```
post '/reverse' do
```

```
  first_name = params[:first_name]
```

```
  last_name = params[:last_name]
```

```
  @reversed_name = reverse_name(first_name, last_name)
```

```
  erb :reverse
```

```
end
```

When the form is submitted, it sends a POST request to /reverse, where the names are reversed using the reverse_name method, and then renders the reverse.erb template to display the reversed name.

2) create two .erb files in the same directory: index.erb and reverse.erb

index.erb

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Reverse Name</title>
</head>
<body>
  <h1>Reverse Name</h1>
  <form action="/reverse" method="POST">
    <label for="first_name">First Name:</label>
    <input type="text" id="first_name" name="first_name" required><br>
    <label for="last_name">Last Name:</label>
    <input type="text" id="last_name" name="last_name" required><br>
    <button type="submit">Reverse Name</button>
  </form>
</body>
</html>
```

reverse.erb

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Reversed Name</title>
</head>
<body>
  <h1>Reversed Name</h1>
  <p><%= @reversed_name %></p>
</body>
</html>
```

3) run your Sinatra application by executing

create views folder in same directory and keep both erb files in it

4) **On terminal : ruby app.rb**

5) **Visit <http://localhost:4567> in your browser, fill out the form, submit it**

Note: index.erb is responsible for rendering the form for user input, while reverse.erb is responsible for rendering the result of processing that input. app.rb for sinatra framework