

This course is based on RubyLearning's "[Introduction to Sinatra](#)" book. Do consider buying this eBook to support the time and energy put into the various courses by RubyLearning's mentors and to help RubyLearning bring to you relevant eBooks and courses related to the Ruby programming language.

A simple text reversing service

First, let us create a folder **sinatra_txt_reverse**

To start with, we shall create a program **string_reverse.rb** in this folder as follows:

```
# string_reverse.rb

require 'sinatra'

get '/' do
  erb :home
end

post '/reverse' do
  erb :show
end
```

We shall next create a **sinatra_txt_reverse\views** folder and write our **home.erb** file (in that folder) as follows:

```
<h1>String Reverse</h1>

<p>The String Reverse Service will accept a string from you
and return you the reversed string. Have fun!</p>

<form action="/reverse" method="post" accept-charset="utf-8">
  <input type="text" name="str" value="Type a string..." id="str">

  <input type="submit" value=".. and reverse it!">
</form>
```

Please remember that to access **POST**ed parameters, you can use **params[:xxx]** where xxx is the name of the form element that was posted. In our example, the form field is **"str"**. Hence, **params[:str]** will have a value of "Hello World", in case we had entered "Hello World" in our String Reverse text field.

Now, let us work on the actual objective of this app, which is reversing a given string and displaying it. Let us delegate this task to the **show.erb** file (store it in the **views** folder) as follows:

```
<h1>String Reverse Results</h1>

<p>You had entered the string - <%= params[:str] %></p>
<p>The reversed string is      - <%= params[:str].reverse %></p>

<p>Click <a href="/">here</a> to try a new string.</p>
```

We have already seen how to deploy our Sinatra app to Heroku. Do the same for this app. **Once deployed, post the URL of your app as comments to this note.**

Links to the courseware

- Back to the [Beginning of the course](#)
- Back to [Day 6.1](#)

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