

*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.*

We will now talk about **Handlers** and **form parameters**.

*Handler* is the generic term that Sinatra uses for the “controllers”. A handler is the initial point of entry for new HTTP requests into your application.

## Form Parameters

In handlers you can reach submitted form parameters directly via the **params** hash, namely:

```
params['post']
```

Also, the support of nested parameters is built-in Sinatra. For example:

```
<form>
  <input ... name="post[title]" /><br />
  <input ... name="post[body]" /><br />
  <input ... name="post[author]" />
</form>
```

The parameters in this case became as a hash:

```
{"post"=>{ "title"=>"", "body"=>"", "author"=>"" }}
```

Therefore in handlers you can use nested parameters like a regular hash:

```
params['post']['title']
```

An example will illustrate what we have learned about form parameters, above. Save the following program in the folder `sinatrafb` with the name `day5_1_p1.rb`:

```
require 'sinatra'
```

```
get '/' do
```

```
  erb :home
```

```
end
```

```
post '/display' do
```

```
  erb :show
```

```
end
```

Save the following in the folder `sinatrafb\views` as `home.erb`:

```
<h1>Form Parameters</h1>
```

```
<p>The example will display submitted form parameters directly via the params hash</p>
```

```
<form action="/display" method="post" accept-charset="utf-8">
```

```
  <input type="text" name="post[fname]" value="Type your first name..." id="fname" /><br />
```

```
  <input type="text" name="post[lname]" value="Type your last name..." id="lname" /><br />
```

```
  <input type="submit" value=".. and display it!">
```

```
</form>
```

Save the following in the folder `sinatrafb\views` as `show.erb`:

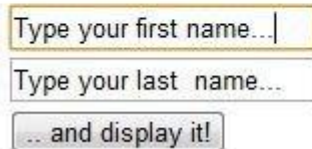
```
<h1>Form Parameters Display</h1>
<p>You had entered:</p>
<p>First Name - <%= params['post']['fname'] %></p>
<p>Last Name - <%= params['post']['lname'] %></p>

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

Deploy this app to Heroku and run it. It should first display something like this:

## Form Parameters

The example will display submitted form parameters directly via the `params` hash



A screenshot of a web form. It contains two text input fields. The first field has the placeholder text "Type your first name..." and the second field has "Type your last name...". Below these fields is a button with the text "... and display it!".

Enter the details and then you should see something like this:

## Form Parameters Display

You had entered:

First Name - Satish

Last Name - Talim

Click [here](#) to try a new name.

Please post the URL of your app that you deploy to Heroku as comments to this page.

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### Links to the courseware

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