

Assignment No : 8

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>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    margin: 0;
    padding: 0;
  }

  h1 {
    text-align: center;
    color: #333;
  }

  form {
    max-width: 400px;
    margin: 20px auto;
    padding: 20px;
    background-color: #fff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
  }

  label {
    display: block;
    margin-bottom: 5px;
    color: #333;
  }

  input[type="text"] {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
    border: 1px solid #ccc;
    border-radius: 3px;
    box-sizing: border-box;
  }

  button[type="submit"] {
    background-color: #4CAF50;
    color: white;
    padding: 10px 20px;
    border: none;
    border-radius: 3px;
    cursor: pointer;
    margin-right: 10px;
  }

  button[type="submit"]:hover {
    background-color: #45a049;
  }
</style>
```

```

</head>
<body>
<h1>Welcome</h1>
<form method="POST" action="/result">
  <input type="text" name="first_name" required>
  <input type="text" name="last_name" required>
  <input type="hidden" name="action" id="action" value="">
  <button type="submit" onclick="document.getElementById('action').value = 'reverse';">Reverse Name</button>
  <button type="submit" onclick="document.getElementById('action').value = 'length';">Find Length</button>
  <button type="submit" onclick="document.getElementById('action').value = 'capitalize';">Capitalize</button>
</form>

</body>
</html>

```

app.erb :

```

require 'sinatra'

# Method to reverse the name
def reverse_name(first_name, last_name)
  "#{last_name} #{first_name}"
end

# Method to calculate the length of first name and last name
def calculate_name_lengths(first_name, last_name)
  first_name_length = first_name.length
  last_name_length = last_name.length
  [first_name_length, last_name_length]
end

# Method to capitalize characters of a string
def capitalize_characters(string)
  string.upcase
end

get '/' do
  erb :index
end

post '/result' do
  first_name = params[:first_name]
  last_name = params[:last_name]
  action = params[:action]

  case action
  when 'reverse'
    @result = reverse_name(first_name, last_name)

  when 'length'
    @result = calculate_name_lengths(first_name, last_name)
  when 'capitalize'
    @result = [capitalize_characters(first_name), capitalize_characters(last_name)]
  else
    @result = "Invalid action"
  end

  erb :result
end

```

result.erb :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Result</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    margin: 0;
    padding: 0;
    text-align: center;
  }

  h1 {
    color: #333;
  }

  p {
    font-size: 24px;
    background-color: #fff;
    padding: 20px;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    display: inline-block;
    margin-top: 20px;
  }
</style>
</head>
<body>
<% if @action == 'length' %>
  <h1>Length of Names</h1>
<% elsif @action == 'reverse' %>
  <h1>Reversed Name</h1>
<% elsif @action == 'capitalize' %>
  <h1>Capitalized Names</h1>
<% else %>
  <h1>Result</h1>
<% end %>

<% if @result.is_a?(String) %>
  <p><%= @result %></p>
<% elsif @result.is_a?(Array) %>
  <p>First Name: <%= @result[0] %></p>
  <p>Last Name: <%= @result[1] %></p>
<% else %>
  <p>Invalid action</p>
<% end %>
</body>
</html>
```

Output :

localhost:4567/#get-info

Welcome

Reverse Name

Find Length

Capitalize

localhost:4567/result

Result

Dagale Ronak

localhost:4567/result

Result

First Name: 5

Last Name: 6