**12. Build a Rails application to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings**

1. Create database rails\_test;
2. Create database rails\_development;
3. Create database rails\_produstion;
4. Use rails\_development;
5. Create table books (ano varchar(20),title varchar(20),author varchar(20),edition varchar(20),publisher varchar(20);
6. type exit
7. rails –d mysql rails
8. cd rails
9. ruby script/generate scaffold Book accno:string title:string author:string edition:string publisher:string
10. ruby script/generate controller showform

**For now, put the following code in the controller.**

**#####################ShowformController.rb######################**

Class ShowformController<ApplicationController

def form

end

def res

@book=Book.new

@book.ano = params[:accession\_number]

@book.title=params[:title]

@book.author=params[:author]

@book.edition=params[:edition]

@book.publisher=params[:publisher]

@book.save

Redirect to :action=.’result’

end

def result

@allbooks=Book.find(:all)

End

Def search

@searchresults=Book.find(:all,:conditions =>[“title =?”, params[:s]])

end

end

##################################################################

1. ruby script/generate model book
2. 3 source html files that have to be placed in *rails\_app/app/views/showform* directory for any of this to work.
3. To start the server type the following command i.e – ruby script/server
4. Open the browser and enter the following URL i.e-

**http://localhost:3000/showform/form**

**form.rhtml**

<!DOCTYPE html PUBLIC "-//w3c//DTD XHTML 1.1//EN"

"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">

<html xmlns = "http://www.w3.org/1999/xhtml">

<head> <title> Book Information </title>

</head>

<body>

<h2> Book Information

</h2>

<hr/>

<form action = "res" method = "post">

<table>

<tr>

<td> Accession Number: </td>

<td> <input type = "text" name = "accession\_number" size = "30" />

</td>

</tr>

<tr>

<td> Title: </td>

<td> <input type = "text" name = "title" size = "30" />

</td>

</tr>

<tr>

<td> Author:</td>

<td> <input type = "text" name = "author" size = "30" />

</td>

</tr>

<tr>

<td> Edition:</td>

<td> <input type = "text" name = "edition" size = "30" />

</td>

</tr>

<tr>

<td> Publisher:</td>

<td> <input type = "text" name = "publisher" size = "30" />

</td>

</tr>

</table>

<p />

**<!-- The submit and reset buttons -->**

<p>

<input type = "submit" value = "Submit Order" />

<input type = "reset" value = "Clear Order Form" />

</p>

</form>

<hr/>

<form action="result" method="post">

<input type="submit" value = "View Database"/>

</form>

<hr/>

<h3>Search</h3>

<form action = "search" method="post">

Enter the title:&nbsp;&nbsp;&nbsp;&nbsp;<input type="text" name="s" size="20"/>

<input type="submit" value="Search"/>

</form>

</body>

</html>

**result.rhtml**

<!DOCTYPE html PUBLIC "-//w3c//DTD XHTML 1.1//EN"

"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">

<html xmlns = "http://www.w3.org/1999/xhtml">

<head>

<title> Database </title>

<head>

<body>

<table border = "border">

<caption> Book Information </caption>

<tr>

<th> Accession Number </th>

<th> Title</th>

<th> Author </th>

<th> Edition </th>

<th> Publisher </th>

</tr>

<% @allbooks.each do |b|

@ano = b.ano

@title = b.title

@author = b.author

@edition = b.edition

@publisher = b.publisher %>

<tr align = "center">

<td> <%=@ano %></td>

<td> <%=@title %></td>

<td> <%= @author %> </td>

<td> <%= @edition %> </td>

<td> <%= @publisher %> <td>

</tr>

<% end %>

</table>

<%= link\_to 'Back', {:action => 'form'} %>

<p /><p />

</body>

</html>

**Search.rhtml**

<!DOCTYPE html PUBLIC "-//w3c//DTD XHTML 1.1//EN"

"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">

<html xmlns = "http://www.w3.org/1999/xhtml">

<head>

<title> Database </title>

<head>

<body>

<table border = "border">

<caption> Book Information </caption>

<tr>

<th> Accession Number </th>

<th> Title</th>

<th> Author </th>

<th> Edition </th>

<th> Publisher </th>

</tr>

<% @searchresults.each do |b|

@ano = b.ano

@title = b.title

@author = b.author

@edition = b.edition

@publisher = b.publisher %>

<tr align = "center">

<td> <%=@ano %></td>

<td> <%=@title %></td>

<td> <%= @author %> </td>

<td> <%= @edition %> </td>

<td> <%= @publisher %> <td>

</tr>

<% end %>

</table>

<%= link\_to 'Back', {:action => 'form'} %>

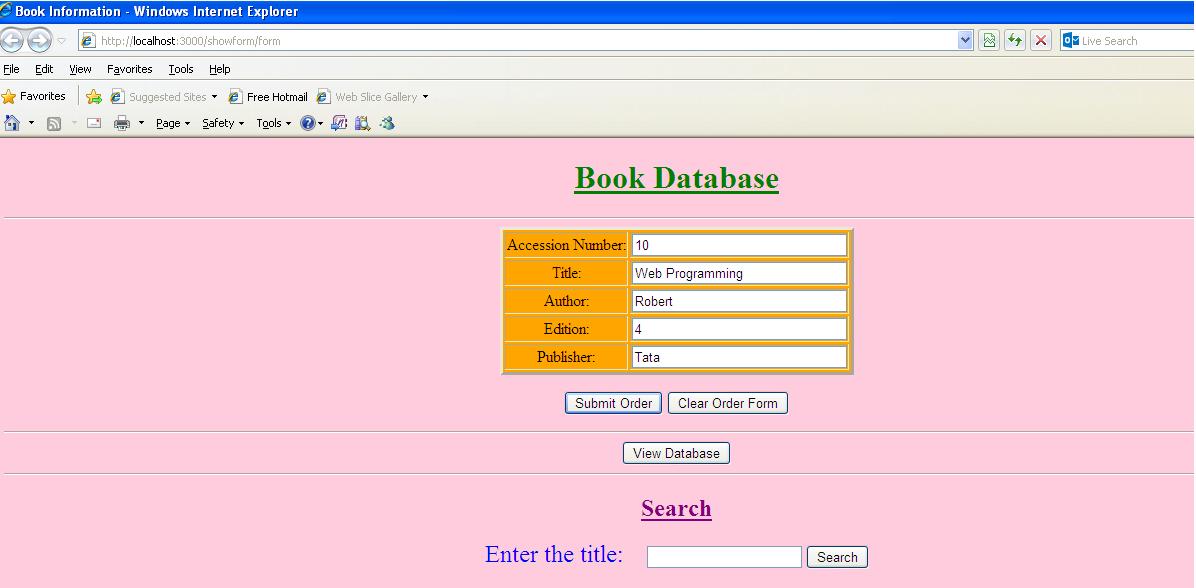
<p /><p />

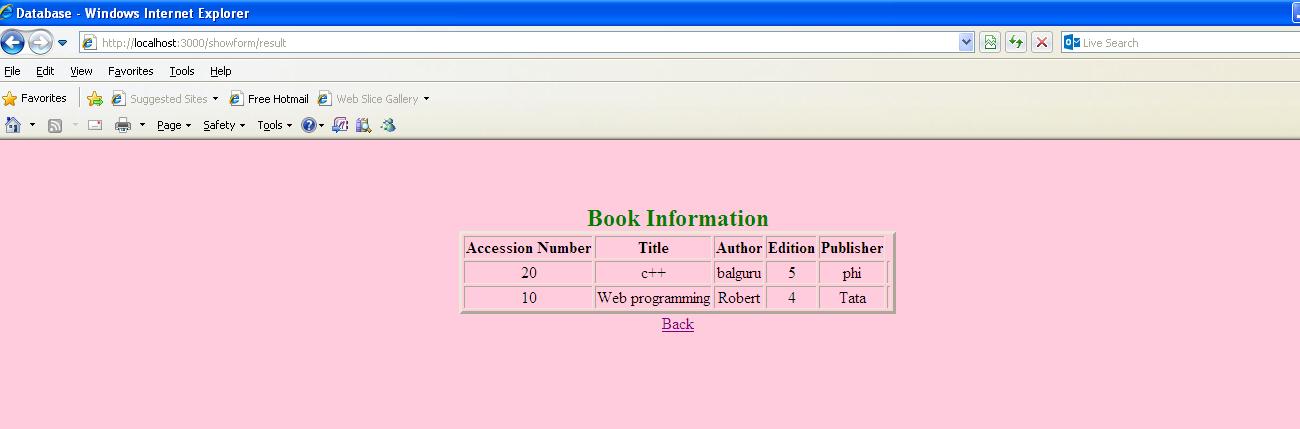
</body>

</html>

***\*\* End of file\*\****

**OUTPUT:-**



****

