

```
using Microsoft.AspNetCore.Http;
using Microsoft.AspNetCore.Mvc;
using Microsoft.Extensions.Localization;
using System.Data.SqlClient;
using WebApplication1.Models;

namespace WebApplication1.Controllers
{
    public class bookController : Controller
    {
        public object Istbooks { get; private set; }

        // GET: bookController
        public ActionResult Index()
        {
            List<book> Istbooks = new List<book>();

            //Establish a connection
```

```
SqlConnection conn = new SqlConnection("data source
=PTSQLTESTDB01;database=Senthilkumar;integrated
security=true");
```

```
conn.Open();
```

```
SqlCommand cmd = new SqlCommand("select * from
books", conn);
```

```
SqlDataReader reader = cmd.ExecuteReader();
```

```
while (reader.Read())
```

```
{
```

```
    lstbooks.Add(new book() { bookid
=Convert.ToInt32(reader[2].ToString()), title =
reader[1].ToString(), ISBN = reader[0].ToString() });
```

```
}
```

```
conn.Close();
```

```
return View(lstbooks);
```

```
}
```

```
// GET: bookController/Details/5
```

```
public ActionResult Details(int id)
```

```
{
```

```
    book bk = new book();
```

```
    //Establish a connection
```

```
SqlConnection conn = new SqlConnection("data source  
=PTSQLTESTDB01;database=Senthilkumar;integrated  
security=true");
```

```
conn.Open();
```

```
SqlCommand cmd = new SqlCommand("select * from  
books where bookid=@id", conn);
```

```
cmd.Parameters.AddWithValue("@id", id);
```

```
SqlDataReader reader = cmd.ExecuteReader();
```

```
while (reader.Read())
```

```
{
```

```
    bk.ISBN = reader[0].ToString();
```

```
    bk.title = reader[1].ToString();
```

```
    bk.bookid = Convert.ToInt32(reader[2].ToString());
```

```
}
```

```
conn.Close();
```

```
return View(bk);
```

html code:-

```
@model IEnumerable<WebApplication1.Models.book>
```

```
@{
```

```
    ViewData["Title"] = "Index";
```

```
}
```

```
<h1>Index</h1>
```

```
<p>
```

```
    <a asp-action="Create">Create New</a>
```

```
</p>
```

```
<table class="table">
```

```
    <thead>
```

```
        <tr>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.bookid)
```

```
            </th>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.ISBN)
```

```
            </th>
```

```
            <th>
```

```

        @Html.DisplayNameFor(model => model.title)
    </th>

    <th></th>
</tr>
</thead>
<tbody>
@foreach (var item in Model) {
    <tr>
        <td>
            @Html.DisplayFor(modelItem => item.bookid)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.ISBN)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.title)
        </td>

        <td>
            @Html.ActionLink("Edit", "Edit", new { /*
id=item.PrimaryKey */ }) |

```

```
        @Html.ActionLink("Details", "Details", new {
id=item.bookid }) |

        @Html.ActionLink("Delete", "Delete", new { /*
id=item.PrimaryKey */ })

    </td>

</tr>

}

</tbody>

</table>
```

Output of the code:-



