

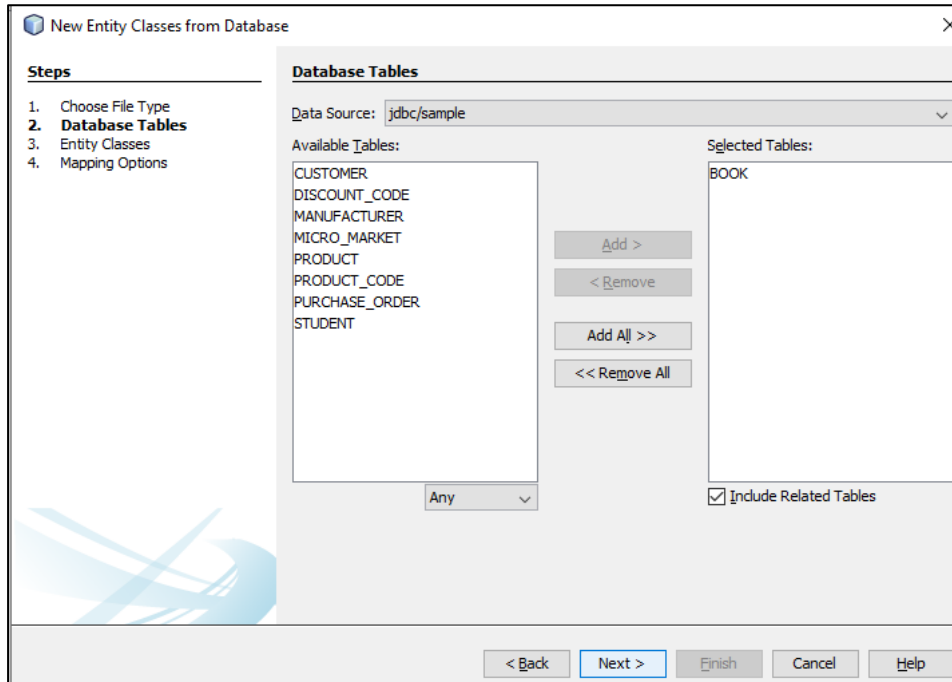
## Practical No.: 6C

**Aim: Write a Program of EJB to Book Information using Entity Bean**

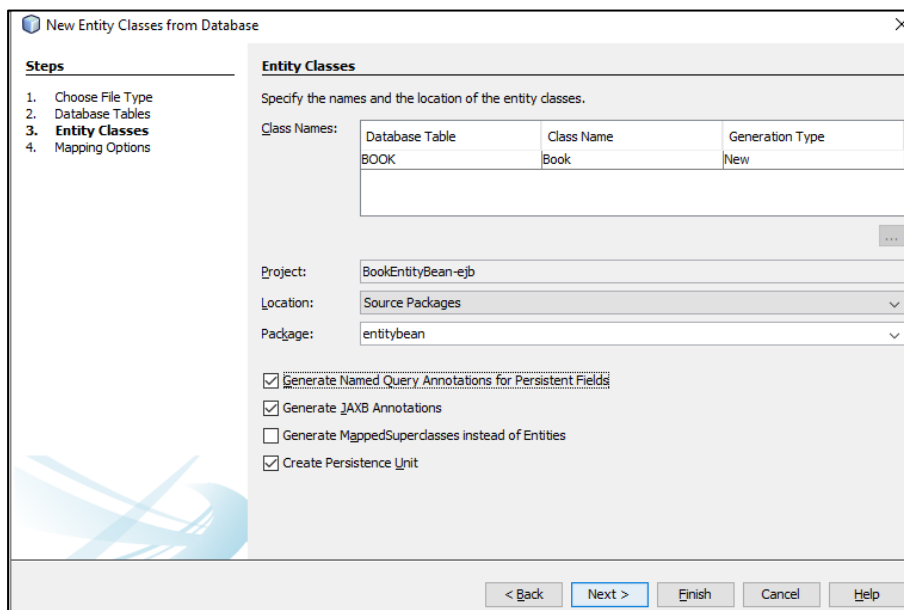
File → New Project → Java EE → Enterprise Application → Project Name : **BookEntityBean** → Next → Finish

Right Click on **BookEntityBean-ejb** → New → Entity Classes from Database → Data Source → **jdbc/sample**

Add Table from Available Tables to Selected Tables → Next

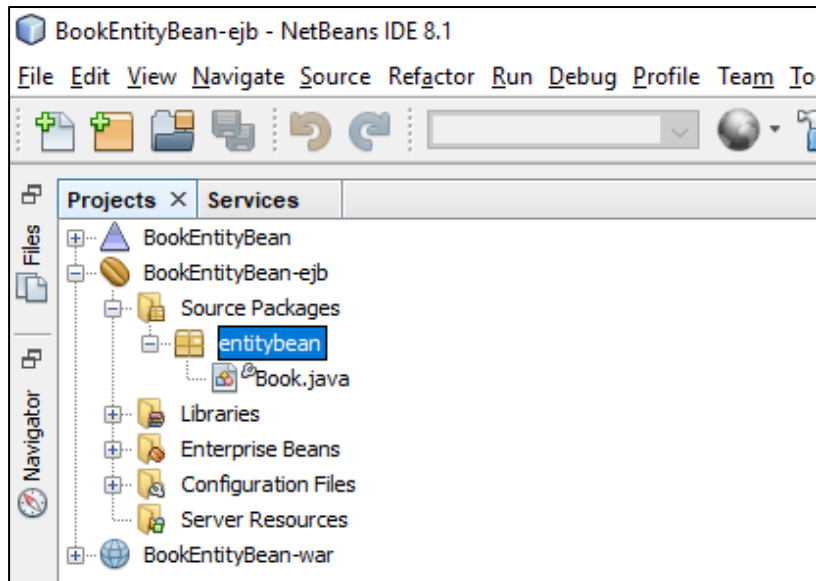


Provide Package Name

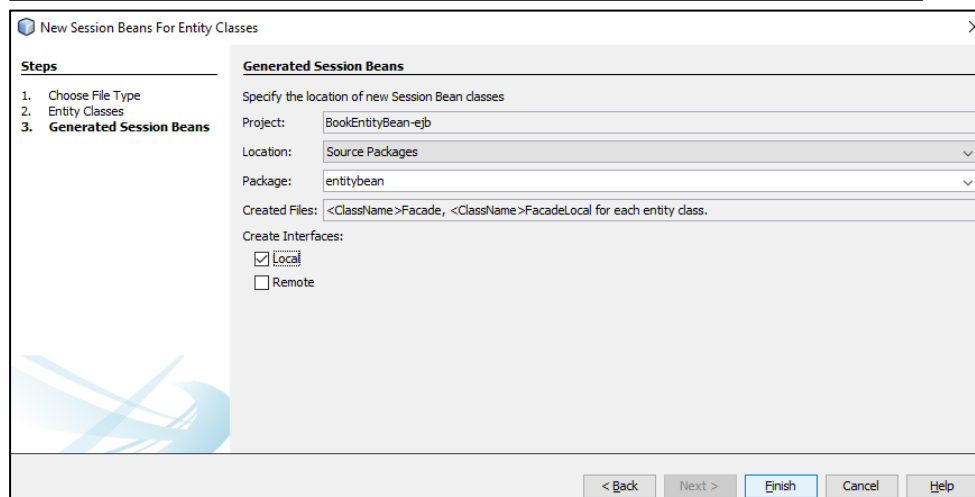
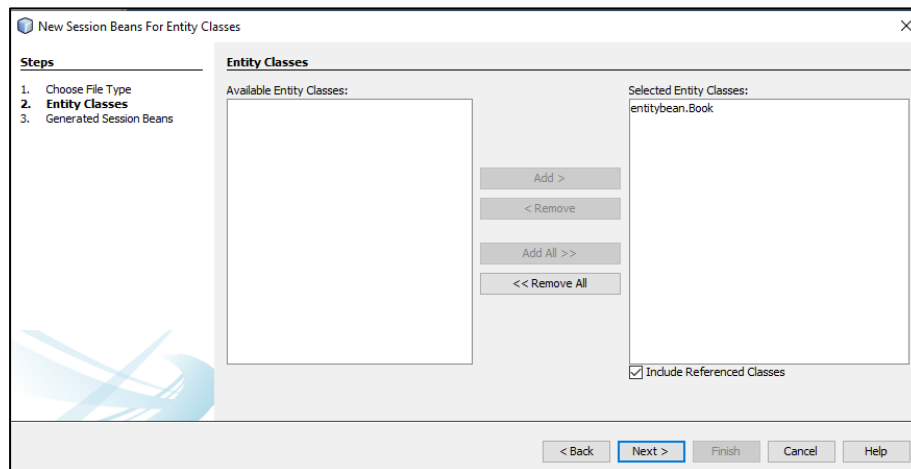


Next → Collection Type → java.util.List → Finish

After creation of Entity Classes from Database



Right Click on entitybean package → New → Session Bean for Entity Classes → Next → Finish



Right Click on ***BookEntityBean-war*** → New → Servlet → Class Name : ShowData → Package : entitybean → Next → put tick on Add information.. → Finish

**showData.java**

```
package entitybean;

import java.io.IOException;
import java.io.PrintWriter;
import java.util.List;
import javax.ejb.EJB;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author TechnoBoy
 */
public class showData extends HttpServlet {

    @EJB
    private BookFacadeLocal bookFacade;

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        List<Book> list=bookFacade.findAll();
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet showData</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border=1><tr>");
            out.println("<th>Book_Id</th><th>Book_Name</th><th>Book_Author</th></tr>");
            for(Book b:list)
            {
                out.println("<tr>");
                out.println("<td>" + b.getBId() + "</td>");
                out.println("<td>" + b.getBookName() + "</td>");
                out.println("<td>" + b.getBookAuthor() + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

```

@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}
@Override
public String getServletInfo() {
    return "Short description";
}
}

```

Right click on **BookEntityBean-war** → New → JSP → File Name : index

### **Index.jsp**

```

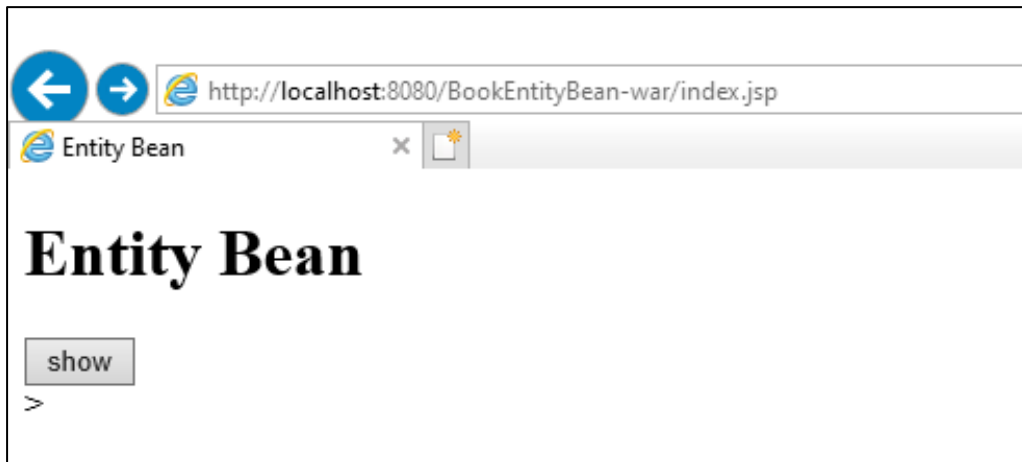
<%--
    Document   : index
    Created on : 21 Oct, 2019, 2:39:07 AM
    Author    : TechnoBoy
--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Entity Bean</title>
    </head>
    <body>
        <h1>Entity Bean</h1>
        <form action="showData">
            <input type="submit" value="show">
        </form>
    </body>
</html>

```

**Output:**

Right Click on **BookEntityBean** → Clean and Build → Deploy → Run



After clicking on Show

