Answer 1

Index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="login.jsp">
<table>
<tr><td>enter User name </td><td> <input type="text" name="t1"></td></tr>
<tr><td>enter password</td><td> <input type="password" name="t2"></td></tr>
<tr><td></td><td> <input type="submit" value="login"></td></tr>
<tr><td><a href="newuser.html">new user</a></td></tr>
</table>
</form>
</body>
</html>
```

Newuser.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="adduser.jsp">
<table>
<tr><td>Enter Name</td><td><input type="text" name="t1"></td></tr>
<tr><td>Enter Password</td><td><input type="password" name="t2"></td></tr>
<tr><td><input type="submit" value="add new user"></td></tr>
</table>

</form>
</body>
</html>
```

adduser.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="web_login.userbean" %>
     <%@page import="web_login.dbutil" %>
    <%@page import="java.sql.*" %>
<!DOCTYPE html>
<html>
```

```html
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
RequestDispatcher rd=request.getRequestDispatcher("index.html");
userbean u=new userbean();

u.setUsername(request.getParameter("t1"));
u.setPassword(request.getParameter("t2"));
int n=dbutil.addData(u);
if(n!=0)
{
        out.println("data inserted now you can login");
        rd.include(request, response);
}
else
{
        out.println("data not inserted ");
}
%>
</body>
</html>
```

Login.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="web_login.userbean" %>
     <%@page import="web_login.dbutil" %>
    <%@page import="java.sql.*" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Login Application</title>
</head>
<body>
<%!   userbean u=null; ResultSet rs=null;        %>
<% RequestDispatcher rd=request.getRequestDispatcher("success.jsp");
String id=request.getParameter("t1");
String psw=request.getParameter("t2");
rs=dbutil.getData();
boolean status=false;
while(rs.next())
{
        if((id.equals(rs.getString(1))) && (psw.equals(rs.getString(2))))
        {
                status=true;
        }
}
if(status)
{
```

```
        rd.forward(request, response);
}
else
{
        out.println("invalid userid and password");
}
%>
</body>
</html>
```

Usebean.java

```java
package web_login;

public class userbean {
        private String username;
        private String password;
        public String getUsername() {
                return username;
        }
        public void setUsername(String username) {
                this.username = username;
        }
        public String getPassword() {
                return password;
        }
        public void setPassword(String password) {
                this.password = password;
        }


}
```

Dbutil.java

```java
package web_login;
import java.sql.*;
public class dbutil {
        static Connection con=null;
        static PreparedStatement pst=null;
        static ResultSet rs=null;
        public static Connection getConn()
        {
                try
                {
                        Class.forName("com.mysql.jdbc.Driver");
                        String url="jdbc:mysql://localhost/endterm";
                        String user="root";
                        String pswrd="admin";

                         con=DriverManager.getConnection(url,user,pswrd);
                }
                catch(Exception e)
                {
                System.out.println(e);
```

```java
            }
            return con;
        }
        public static ResultSet getData() throws Exception
        {
            con=getConn();
            pst=con.prepareStatement("select * from userdata");
            rs=pst.executeQuery();
            return rs;
        }
public static int addData(userbean b) throws Exception
{
        int i=0;
        con=getConn();
        pst=con.prepareStatement("insert into userdata values(?,?)");
        pst.setString(1, b.getUsername());
        pst.setString(2, b.getPassword());
        i=pst.executeUpdate();
        return i;
}


}
```

Success.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% String user=request.getParameter("t1");
out.println("welcome dear user"+user);
%>
</body>
</html>
```