HTML SOURCE CODE

Login.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Learner's Academy</title>
<style type="text/css">
body{
text-align: center;
background-image: url("education.jpg");
background-repeat: no-repeat;
background-size: cover;
}
h1,h3,h5,span{
color : white;
}
</style>
</head>
<body>
<div>
<h5>Project Name :- Learner's Academy</h5>
<h1>Welcome To Learner's Academy</h1>
<h3>Developer Name :- Nikhil Waware</h3>
<form action="Validate" method="post">
<span>Username :</span> <input type="email" name="username" placeholder="Email ID"
required="required"><br><br>
<span>Password :</span> <input type="password" name="password" placeholder="Password"
required="required"><br>
<br>
<input type="submit" value="Login"><br>
<span>Note : username : <b>admin@learner.com</b> & password : <b>admin@123</b></span>
</form>
</div>
</body>
</html>
```

adminPage.jsp

```jsp
<%@ page language="java" contentType="text/html;
charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Learner's Academy</title>
<style type="text/css">
body{
background-color: #f2f2f2;
}
h2{
font-family: monospace;
font-size: 36px;
```

```
color : #000066;
}
h3{
font-family: monospace;
font-size: 24px;
color : #000066;
}
a{
text-decoration: none;
font-size: 22px;
}
a:link {
color: red;
}
a:visited {
color: green;
}
a:hover {
color: hotpink;
}
a:active {
color: blue;
}
</style>
</head>
<body>
<a href="login.html">Logout</a>
<h2>Welcome to Admin Page</h2>
<a href="addStudent.html">Add Student ||</a>
<a href="addTeacher.html">Add Teacher ||</a>
<a href="addClass.html">Add Class ||</a>
<a href="addSubject.html">Add Subject</a>
<h3>Master Lists</h3>
<a href="StudentList.jsp">Student List ||</a>
<a href="TeacherList.jsp">Teacher List ||</a>
<a href="ClassList.jsp">Class List ||</a>
<a href="SubjectList.jsp">Subject List ||</a>
<a href="ClassReport.jsp">Class Report</a>
<br><br><br>
</body>
</html>
```

addStudent.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Learner's Academy</title>
<style type="text/css">
body{
background-color: #f2f2f2;
}
</style>
</head>
<body>
<div align="left">
<form action="AddStudent" method="get">
<h3>Add Student</h3>
<table>
<tr>
<td>Student Name</td>
<td> : <input type="text" name="stdName"
placeholder="Student Name"
required="required"></td></tr>
<tr>
<td>Roll Number</td>
<td> : <input type="text" name="rollNo"
placeholder="Roll No " required="required"></td>
</tr>
<tr>
<td>Class</td>
<td> : <input type="text" name="class"
placeholder="Class" required="required"></td>
</tr>
<tr><td></td>
<td><input type="submit" value="Add"></td>
</tr>
</table>
<br>
<a href="adminPage.jsp">Back</a>
</form>
</div>
</body>
```

```html
</html>
```

addTeacher.html

```html
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">

body{

background-color: #f2f2f2;

}

</style>

</head>

<body>

<form action="AddTeacher">

<h3>Add Teacher</h3>

<table>

<tr>

<td>Teacher Name</td>

<td>: <input type="text" name="tchName"
placeholder="Teacher Name" required="required"></td>

</tr>

<tr>

<td>Subject</td>
```

```html
<td> : <input type="text" name ="subject" placeholder="Subject" required="required"></td>

</tr>

<tr>

<td>Class</td>

<td> : <input type="text" name="class" placeholder="Class" required="required"></td>

</tr>

<tr><td></td>

<td><input type="submit" value="Add Teacher"></td>

</tr>

</table>

<br>

<a href="adminPage.jsp">Back</a>

</form>

</body>

</html>
```

addSubject.html

```html
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">
```

```html
        body{

        background-color: #f2f2f2;

        }

        </style>

        </head>

        <body>

        <form action="AddSubject" method="get">

        <h3>Add Subject</h3>

        <table>

        <tr>

        <td>Subject Name</td>

        <td> : <input type="text" name="sbjName"
        placeholder="Subject Name" required="required"></td>

        </tr>

        <tr>

        <td>Teacher Name</td>

        <td> : <input type="text" name="tchName"
        placeholder="Teacher Name" required="required"></td>

        </tr>

        <tr>

        <td>Class Name </td>

        <td> : <input type="text" name="clsName"
        placeholder="Class Name" required="required"></td>

        </tr>

        <tr><td></td>

        <td><input type="submit" value="Add Class"></td>
```

```
</tr>

</table>

<br>

<a href="adminPage.jsp">Back</a>

</form>

</body>

</html>
```

addClass.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">

body{

background-color: #f2f2f2;

}

</style>

</head>

<body>

<form action="AddSubject" method="get">

<h3>Add Subject</h3>

<table>

<tr>
```

```html
<td>Subject Name</td>

<td> : <input type="text" name="sbjName"
placeholder="Subject Name" required="required"></td>

</tr>

<tr>

<td>Teacher Name</td>

<td> : <input type="text" name="tchName"
placeholder="Teacher Name" required="required"></td>

</tr>

<tr>

<td>Class Name </td>

<td> : <input type="text" name="clsName"
placeholder="Class Name" required="required"></td>

</tr>

<tr><td></td>

<td><input type="submit" value="Add Class"></td>

</tr>

</table>

<br>

<a href="adminPage.jsp">Back</a>

</form>

</body>

</html>
```

StudentList.jsp

```jsp
<%@page import="java.util.*"%>
```

```jsp
<%@page import="dao.StudentDAO"%>

<%@page import="com.model.Student"%>

<%@ page language="java" contentType="text/html;
charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">
body{

background-color: #f2f2f2;

}

h3{

font-family: monospace;

font-size: 36px;

color : #000066;

}

table,th,td{

border : 1px solid #0000cc;

border-collapse :collapse;

font-size: 26px;

}

th {
```

```css
  background-color: #04AA6D;

  color: white;

}

tr:nth-child(even) {

  background-color: #99ccff;

}

td{

  color : #003300;

}

th, td {

  padding: 15px;

  text-align: left;

}
</style>
</head>
<body>
<h3>Student List</h3>
<table>
<tr>
<th>Student Name</th>
<th>Class</th>
<th>Roll No.</th>
</tr>
<%
```

```jsp
StudentDAO stdDao = new StudentDAO();

List<Student> list = new ArrayList<Student>();

list = stdDao.showStudents();

for(Student std : list) {

%>

<tr>

<td><%= std.getStdName() %></td>

<td><%= std.getClassname() %></td>

<td><%= std.getRollNo() %></td>

</tr>

<% } %>

</table>

<br>

<a href="adminPage.jsp">Back</a>

</body>

</html>
```

TeacherList.jsp

```jsp
<%@page import="java.util.*"%>

<%@page import="dao.TeacherDAO"%>

<%@page import="com.model.Teacher"%>

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE html>
```

```html
<html>
<head>
<meta charset="UTF-8">
<title>Learner's Academy</title>
<style type="text/css">
body{
background-color: #f2f2f2;
}
h3{
font-family: monospace;
font-size: 36px;
color : #000066;
}
table,th,td{
border : 1px solid #0000cc;
border-collapse :collapse;
font-size: 26px;
}
th {
background-color: #04AA6D;
color: white;
}
tr:nth-child(even) {
background-color: #99ccff;
```

```html
		}
		td{
		color : #003300;
		}
		th, td {
		padding: 15px;
		text-align: left;
		}
</style>
</head>
<body>
<h3>Teacher List</h3>
<table>
<tr>
<th>Teacher Name</th>
<th>Subject Name</th>
<th>Class </th>
</tr>
<%
TeacherDAO tchDao = new TeacherDAO();
List<Teacher> list = new ArrayList<Teacher>();
list= tchDao.showTeachers();
for(Teacher tch : list) {
%>
```

```jsp
<tr>

<td><%= tch.getTchName() %></td>

<td><%= tch.getSubject() %></td>

<td><%= tch.getClassname() %></td>

</tr>

<% } %>

</table>

<br>

<a href="adminPage.jsp">Back</a>

</body>

</html>
```

ClassList.jsp

```jsp
<%@page import="com.model.ClassDetails"%>

<%@page import="dao.ClassDAO"%>

<%@page import="java.util.*"%>

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">
```

```css
body{

background-color: #f2f2f2;

}

h3{

font-family: monospace;

font-size: 36px;

color : #000066;

}

table,th,td{

border : 1px solid #0000cc;

border-collapse :collapse;

font-size: 26px;

}

th {

background-color: #04AA6D;

color: white;

}

tr:nth-child(even) {

background-color: #99ccff;

}

td{

color : #003300;

}

th, td {
```

```
    padding: 15px;

    text-align: left;

}

</style>

</head>

<body>

<h3>Class List</h3>

<table>

<tr>

<th>Class</th>

<th>Section</th>

</tr>

<%

List<ClassDetails> list = new ArrayList<ClassDetails>();

ClassDAO clsDao = new ClassDAO();

list = clsDao.showClasses();

for(ClassDetails cls :list) {

%>

<tr>

<td><%= cls.getName() %></td>

<td><%= cls.getSection() %></td>

</tr>

<% } %>

</table>
```

```html
<br>

<a href="adminPage.jsp">Back</a>

</body>

</html>
```

SubjcetList.jsp

```jsp
<%@page import="java.util.List"%>

<%@page import="com.model.Subject"%>

<%@page import="java.util.ArrayList"%>

<%@page import="dao.SubjectDAO"%>

<%@ page language="java" contentType="text/html;
charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">
body{

background-color: #f2f2f2;

}

h3{

font-family: monospace;

font-size: 36px;
```

```css
color : #000066;

}

table,th,td{

border : 1px solid #0000cc;

border-collapse :collapse;

font-size: 26px;

}

th {

background-color: #04AA6D;

color: white;

}

tr:nth-child(even) {

background-color: #99ccff;

}

td{

color : #003300;

}

th, td {

padding: 15px;

text-align: left;

}

</style>
</head>
<body>
```

```jsp
<h3>Subject List</h3>
<table>
<tr>
<th>Subject Name</th>
<th>Teacher Name</th>
<th>Class</th>
</tr>
<%
SubjectDAO sbjDao = new SubjectDAO();
List<Subject> list = new ArrayList<Subject>();
list = sbjDao.showSubjects();
for(Subject sbj : list) {
%>
<tr>
<td><%= sbj.getSbjName() %></td>
<td><%= sbj.getTchName() %></td>
<td><%= sbj.getClsName() %></td>
</tr>
<% } %>
</table>
<br>
<a href="adminPage.jsp">Back</a>
</body>
</html>
```

ClassReport.jsp

```jsp
<%@page import="java.sql.ResultSet"%>

<%@page import="dao.DBConncetion"%>

<%@page import="java.sql.SQLException"%>

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.Connection"%>

<%@ page language="java" contentType="text/html;
charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Learner's Academy</title>

<style type="text/css">
body{

background-color: #f2f2f2;

}

h3{

font-family: monospace;

font-size: 36px;

color : #000066;

}

table,th,td{

border : 1px solid #0000cc;
```

```css
border-collapse :collapse;

font-size: 26px;

}

th {

background-color: #04AA6D;

color: white;

}

tr:nth-child(even) {

background-color: #99ccff;

}

td{

color : #003300;

}

th, td {

padding: 15px;

text-align: left;

}
</style>
</head>
<body>
<h3>Class Report</h3>
<div>
<table>
<tr>
```

```
<th>ID</th>

<th>Student Name</th>

<th>Roll No.</th>

<th>Teacher Name</th>

<th>Subject Name</th>

<th>Class</th>

<th>Section </th>

</tr>

<%

Connection con = null;

PreparedStatement stmt = null;

String query="select
a.id,a.studentName,a.rollNo,b.teachername,c.subjectname,
d.class,d.section from student as a inner join teacher
as b on a.class=b.class inner join subject as c on
b.class=c.class inner join class as d on
c.class=d.class";

try {

con = DBConncetion.getConnection();

stmt = con.prepareStatement(query);

ResultSet rs = stmt.executeQuery();

if(rs.next() == false){

out.println("No records found");

}

else {

do {  %>

<tr>
```

```jsp
<td><%= rs.getInt(1) %></td>
<td><%= rs.getString(2) %></td>
<td><%= rs.getInt(3) %></td>
<td><%= rs.getString(4) %></td>
<td><%= rs.getString(5) %></td>
<td><%= rs.getString(6) %></td>
<td><%= rs.getString(7) %></td>
<% }
while(rs.next()); %>
</tr>
<% }
}
catch (Exception e){
out.println(e.getMessage());
}
%>
</table>
<br>
<a href="adminPage.jsp">Home Page</a>
</div>
</body>
</html>
```

POJO classes

Student.java

```java
package com.model;

import com.model.Teacher;

public class Student {

private int id;

private String stdName;

private String rollNo;

private String Classname;

public Student() {

}

public String getClassname() {

return Classname;

}

public void setClassname(String classname) {

this.Classname = classname;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getStdName() {
```

```java
return stdName;

}

public void setStdName(String stdName) {

this.stdName = stdName;

}

public String getRollNo() {

return rollNo;

}

public void setRollNo(String rollNo) {

this.rollNo = rollNo;

}

public Student(int id, String stdName, String rollNo,
String classname) {

super();

this.id = id;

this.stdName = stdName;

this.rollNo = rollNo;

this.Classname = classname;

}

public Student(String stdName, String rollNo, String
classname) {

super();

this.stdName = stdName;

this.rollNo = rollNo;

this.Classname = classname;
```

```java
    }

    @Override
    public String toString() {
        return "Student [id=" + id + ", stdName=" + stdName + ",
        rollNo=" + rollNo + ", Classname=" + Classname + "]";
    }
}
```

Teacher.java

```java
package com.model;

public class Teacher {
    private int id;
    private String tchName;
    private String subject;
    private String Classname;

    public Teacher() {
    }

    public String getClassname() {
        return Classname;
    }

    public void setClassname(String classname) {
        Classname = classname;
    }

    public int getId() {
        return id;
```

```java
    }

    public void setId(int id) {

    this.id = id;

    }

    public String getTchName() {

    return tchName;

    }

    public void setTchName(String tchName) {

    this.tchName = tchName;

    }

    public String getSubject() {

    return subject;

    }

    public void setSubject(String subject) {

    this.subject = subject;

    }

    public Teacher(int id, String tchName, String subject,
    String classname) {

    super();

    this.id = id;

    this.tchName = tchName;

    this.subject = subject;

    Classname = classname;

    }
```

```java
public Teacher(String tchName, String subject, String classname) {

super();

this.tchName = tchName;

this.subject = subject;

Classname = classname;

}

@Override

public String toString() {

return "Teacher [id=" + id + ", tchName=" + tchName + ", subject=" + subject + ", Classname=" + Classname + "]";

}

}
```

Subject.java

```java
package com.model;

public class Subject {

private int id;

private String sbjName;

private String tchName;

private String clsName;

public Subject() {

}

public int getId() {

return id;
```

```java
    }

    public void setId(int id) {

        this.id = id;

    }

    public String getSbjName() {

        return sbjName;

    }

    public void setSbjName(String sbjName) {

        this.sbjName = sbjName;

    }

    public String getTchName() {

        return tchName;

    }

    public void setTchName(String tchName) {

        this.tchName = tchName;

    }

    public String getClsName() {

        return clsName;

    }

    public void setClsName(String clsName) {

        this.clsName = clsName;

    }

    public Subject(int id, String sbjName, String tchName,
    String clsName) {

        super();
```

```java
        this.id = id;

        this.sbjName = sbjName;

        this.tchName = tchName;

        this.clsName = clsName;

    }

    public Subject(String sbjName, String tchName, String clsName) {

        super();

        this.sbjName = sbjName;

        this.tchName = tchName;

        this.clsName = clsName;

    }

    @Override

    public String toString() {

        return "Subject [id=" + id + ", sbjName=" + sbjName + ", tchName=" + tchName + ", clsName=" + clsName + "]";

    }

}
```

ClassDetails.java

```java
package com.model;

public class ClassDetails {

    private int id;

    private String name;

    private String Section;
```

```java
public ClassDetails() {

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getSection() {

return Section;

}

public void setSection(String section) {

Section = section;

}

public ClassDetails(int id, String name, String section)
{

super();

this.id = id;

this.name = name;
```

```java
Section = section;

}

public ClassDetails(String name, String section) {

super();

this.name = name;

Section = section;

}

@Override

public String toString() {

return "ClassDetails [id=" + id + ", name=" + name + ",
Section=" + Section + "]";

}

}
```

DAO Classes

DBConnection.java

```java
package dao;


import java.sql.Connection;

import java.sql.DriverManager;


public class DBConncetion {


        public static Connection getConnection() {


                Connection con = null;
```

```java
        String jdbcUrl ="jdbc:mysql://localhost:3306/demo";

        String driver = "com.mysql.cj.jdbc.Driver";

        String user = "root";

        String Pass ="Nikhil";


        try {

                Class.forName(driver);

                con = DriverManager.getConnection(jdbcUrl,user,Pass);


        } catch (Exception e) {

                // TODO: handle exception

                e.printStackTrace();

        }

        return con;

    }

}
```

StudentDAO.java

```java
package dao;


import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;


import com.model.Student;
```

```java
public class StudentDAO {

public void addStudent(Student std) throws ClassNotFoundException, SQLException {

        String sql = "insert into student(studentName,Class,rollNo)values(?,?,?)";

        try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/demo","root","Nikhil");
        PreparedStatement stmt =
con.prepareStatement(sql,Statement.RETURN_GENERATED_KEYS);

        stmt.setString(1, std.getStdName());
        stmt.setString(2, std.getClassname());
        stmt.setString(3, std.getRollNo());

        stmt.execute();
        stmt.close();con.close();
        }
        catch (Exception e) {
                System.out.println(e.getMessage());
        }

    }

public List<Student> showStudents() throws SQLException{
```

```java
        List<Student>stdList = new ArrayList<Student>();

                String sqlQuery ="select StudentName,class,rollNo from student order by rollNo";

                Connection con = null;

                PreparedStatement stmt = null;

                try {

                        con = DBConncetion.getConnection();

                        stmt=
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


                        ResultSet rs = stmt.executeQuery();


                        while(rs.next()) {

                                Student std = new Student();

                                std.setStdName(rs.getString(1));

                                std.setClassname(rs.getString(2));

                                std.setRollNo(rs.getString(3));


                                stdList.add(std);

                        }

                } catch (Exception e) {

                        // TODO: handle exception

                        con.close();

                        System.out.println(e.getMessage());

                }

        return stdList;

}

}
```

TeacherDAO.java

```java
package dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;


import com.model.Teacher;


public class TeacherDAO {


    private Connection con = null;
    private PreparedStatement stmt=null;


    public void addTeacher(Teacher tch) throws SQLException {


        String sqlQuery ="insert into teacher(TeacherName,Subject,Class)values(?,?,?)";


        try {

            con = DBConncetion.getConnection();
            stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


                stmt.setString(1, tch.getTchName());
                stmt.setString(2, tch.getSubject());
                stmt.setString(3, tch.getClassname());
```

```java
            stmt.execute();

            stmt.close();con.close();

        } catch (Exception e) {

            System.out.println(e.getMessage());

        }

    }


    public List<Teacher> showTeachers() throws SQLException{

        List<Teacher> tchList = new ArrayList<Teacher>();


        Connection con = null;

        PreparedStatement stm = null;


        String sqlQuery="select TeacherName,Subject,Class from Teacher order by class";


        try {

            con=DBConncetion.getConnection();

            stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


            ResultSet rs = stmt.executeQuery();


            while(rs.next()) {

                Teacher tch = new Teacher();

                tch.setTchName(rs.getString(1));

                tch.setSubject(rs.getString(2));

                tch.setClassname(rs.getString(3));


                tchList.add(tch);
```

```java
				}
		} catch (Exception e) {
				// TODO: handle exception
				con.close();
				System.out.println(e.getMessage());
		}


		return tchList;
	}
}
```

ClassDAO.java

```java
package dao;


import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;


import com.model.ClassDetails;

import com.model.Teacher;


public class ClassDAO {


	private Connection con = null;

	private PreparedStatement stmt=null;
```

```java
String sqlQuery ="insert into class(Class,Section)values(?,?)";

public void addClass(ClassDetails cdts) throws SQLException{


    try {

            con=DBConncetion.getConnection();
            stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


            stmt.setString(1, cdts.getName());
            stmt.setString(2, cdts.getSection());


            stmt.execute();
            stmt.close();con.close();
    } catch (Exception e) {
            // TODO: handle exception
            System.out.println(e.getMessage());
    }
}



public List<ClassDetails> showClasses() throws SQLException{


    List<ClassDetails> clsList = new ArrayList<ClassDetails>();


    String sqlQuery = "select class,section from class order by class";


    try {
            con= DBConncetion.getConnection();
```

```java
                stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);

                ResultSet rs = stmt.executeQuery();

                while(rs.next()) {

                        ClassDetails cls = new ClassDetails();

                        cls.setName(rs.getString(1));

                        cls.setSection(rs.getString(2));


                        clsList.add(cls);

                }

        } catch (Exception e) {

                // TODO: handle exception

                con.close();

                System.out.println(e.getMessage());

        }


        return clsList;

    }

}
```

SubjectDAO.java

```java
package dao;


import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;
```

```java
import java.util.ArrayList;

import java.util.List;


import com.model.Subject;


public class SubjectDAO {



	private Connection con = null;

	private PreparedStatement stmt = null;


	public void addSubject(Subject sbj) throws SQLException{


		String sqlQuery = "insert into
subject(SubjectName,TeacherName,Class)values(?,?,?)";


		try {

			con = DBConncetion.getConnection();

			stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


			stmt.setString(1, sbj.getSbjName());

			stmt.setString(2, sbj.getTchName());

			stmt.setString(3, sbj.getClsName());



			stmt.execute();

			stmt.close();con.close();


		} catch (Exception e) {
```

```java
			// TODO: handle exception
			System.out.println(e.getMessage());
		}
	}


	public List<Subject> showSubjects() throws SQLException {
		List<Subject> sbjList = new ArrayList<Subject>();


		String sqlQuery = "select SubjectName,TeacherName,class from subject order by
class";


		try {
			con = DBConncetion.getConnection();
			stmt =
con.prepareStatement(sqlQuery,Statement.RETURN_GENERATED_KEYS);


			ResultSet rs = stmt.executeQuery();


			while(rs.next()) {
				Subject sbj = new Subject();
				sbj.setSbjName(rs.getString(1));
				sbj.setTchName(rs.getString(2));
				sbj.setClsName(rs.getString(3));


				sbjList.add(sbj);
			}
		} catch (Exception e) {
			// TODO: handle exception
			con.close();
			System.out.println(e.getMessage());
```

```
        }


        return sbjList;

    }

}
```

Controller Classes

Validate.java

```java
package controller;


import java.io.IOException;

import java.io.PrintWriter;


import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;



public class Validate extends HttpServlet {

        private static final long serialVersionUID = 1L;



    public Validate() {

        super();

        // TODO Auto-generated constructor stub

    }
```

```java
        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


            String username = request.getParameter("username");

            String password = request.getParameter("password");

            PrintWriter out = response.getWriter();

            if(username.equalsIgnoreCase("admin@learner.com") &&
password.equalsIgnoreCase("admin@123")) {


                RequestDispatcher rd = request.getRequestDispatcher("adminPage.jsp");

                rd.forward(request, response);

            }


            else {


                out.println("<h4 style='color:red'>Invalid Username or password</h4>");

                RequestDispatcher rd = request.getRequestDispatcher("login.html");

                rd.include(request, response);

            }
        }


}
```

AddStudent.java

```java
package controller;


import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;
```

```java
import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.Statement;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


import com.model.Student;


import dao.StudentDAO;


public class AddStudent extends HttpServlet {
        private static final long serialVersionUID = 1L;


    public AddStudent() {


    }


        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


                StudentDAO addStd = new StudentDAO();


                String stdName = request.getParameter("stdName");

                String rollNo = request.getParameter("rollNo");
```

```java
String Classname = request.getParameter("class");
String sql="insert into student(StudentName,StudentAge)values(?,?)";
PrintWriter out = response.getWriter();


Student std = new Student(stdName,rollNo,Classname);
try {
        if(stdName == null && rollNo == null && Classname == null) {
                out.println("<h5 style = 'color:red'>Please give some input</h5>");
                response.sendRedirect("addStudent.html");
        }
        else {
                addStd.addStudent(std);
                out.println("<body style = 'background-color: #f2f2f2'> ");
                out.println("<h3 style = 'color:green'>Student Record Added Succesfully...</h3>");
                out.println("<a href='addStudent.html'>Back</a>");
                out.println("<a href='adminPage.jsp'>Home Page</a>");
                out.println("</body");
        }

} catch (Exception e) {
        // TODO: handle exception
        System.out.println(e.getMessage());
}
}


protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
```

```
		}

	}


}
```

AddTeacher.java

```java
package controller;


import java.io.IOException;

import java.io.PrintWriter;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


import com.model.Teacher;


import dao.TeacherDAO;


public class AddTeacher extends HttpServlet {

	private static final long serialVersionUID = 1L;



  public AddTeacher() {

    super();

    // TODO Auto-generated constructor stub

  }
```

```java
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

        String tchName = request.getParameter("tchName");

        String subject = request.getParameter("subject");

        String Classname = request.getParameter("class");


        TeacherDAO addtch = new TeacherDAO();

        Teacher tch = new Teacher(tchName,subject,Classname);

        PrintWriter out = response.getWriter();

        try {

                if(tchName != null && subject != null && Classname != null) {

                addtch.addTeacher(tch);

                out.println("<body style = 'background-color: #f2f2f2'> ");

                out.println("<h3 style='color:green'>Teacher Details Added
Succesfully...</h3>");

                out.println("<a href='addTeacher.html'>Back</a>");

                out.println("<a href='adminPage.jsp'>Home Page</a>");

                out.println("</body");

                }

                else {

                        out.println("<h5 style='color:red'>Failed to add teacher
details...</h3>");

                        response.sendRedirect("addTeacher.html");

                }


        } catch (Exception e) {

                // TODO: handle exception

                System.out.println(e.getMessage());

        }
```

```java
        }


        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {



        }


}
```

AddClass.java

```java
package controller;


import java.io.IOException;

import java.io.PrintWriter;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


import com.model.ClassDetails;


import dao.ClassDAO;


public class AddClass extends HttpServlet {
        private static final long serialVersionUID = 1L;



    public AddClass() {
```

```java
        super();
        // TODO Auto-generated constructor stub
    }


        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


            ClassDAO cdao = new ClassDAO();


            String Classname = request.getParameter("class");

            String section = request.getParameter("section");

            ClassDetails cdts = new ClassDetails(Classname,section);


            PrintWriter out = response.getWriter();


            try {
                if(Classname != null && section != null) {
                    cdao.addClass(cdts);
                    out.println("<body style = 'background-color: #f2f2f2'> ");
                    out.println("<h3 style='color:green'>Calss Added Succesfull...</h3>");
                    out.println("<a href='addClass.html'>Back</a>");
                    out.println("<a href='adminPage.jsp'>Home Page</a>");
                    out.println("</body>");
                }
            } catch (Exception e) {
                // TODO: handle exception
                System.out.println(e.getMessage());
            }
```

```
        }


        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


        }


}
```

AddSubject.java

```java
package controller;


import java.io.IOException;

import java.io.PrintWriter;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


import com.model.Subject;


import dao.SubjectDAO;


public class AddSubject extends HttpServlet {

        private static final long serialVersionUID = 1L;
```

```java
public AddSubject() {

    super();


}



protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


        String sbjName = request.getParameter("sbjName");

        String clsName = request.getParameter("clsName");

        String tchName = request.getParameter("tchName");


        SubjectDAO sbjdao = new SubjectDAO();

        Subject sbj = new Subject(sbjName,tchName,clsName);

        PrintWriter out =response.getWriter();

        try {

            if(sbjName != null && tchName != null && clsName != null) {

                sbjdao.addSubject(sbj);

                out.println("<body style = 'background-color: #f2f2f2'> ");

                out.println("<h3 style='color:green'>Class Details Added
Succesfull...</h3>");

                out.println("<a href='addSubject.html'>Back</a>");

                out.println("<a href='adminPage.jsp'>Home Page</a>");

                out.println("</body>");

            }
            else {

                out.println("<h5 style='color:red'>Data Not Added</h5>");

                response.sendRedirect("addSubject.html");

            }
```

```
        } catch (Exception e) {

                // TODO: handle exception

                System.out.println(e.getMessage());

        }

    }



    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {



        }



}
```

Git repository link :- https://github.com/nikhilwaware/Learners-Academy.git