Source Code

**Github link:** **https://github.com/Akanksha-1312/Admin-Portal-Final**

1.Portal.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Home</title>

</head>

<body>

<h2>Welcome to Learner Academy</h2>

<ul>

<li><a href=*"class"*>View Classes</a></li>

<li><a href=*"teacher"*>View Teachers</a></li>

<li><a href=*"subject"*>View Subjects</a></li>

<li><a href=*"student"*>View Students</a></li>

<li><a href=*"report"*>View Report</a></li>

</ul>

</body>

</html>

2.Claso.java

package com.samples.domain;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="Classes")

public class Claso {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="id")

private int id;

@Column(name="section")

private int section;

@Column(name="teacher")

private int teacher;

@Column(name="subject")

private int subject;

@Column(name="time")

private String time;

public Claso() {}

public Claso( int section, int teacher, int subject, String time) {

this.section = section;

this.teacher = teacher;

this.subject = subject;

this.time = time;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public int getSection() {

return section;

}

public void setSection(int section) {

this.section = section;

}

public int getTeacher() {

return teacher;

}

public void setTeacher(int teacher) {

this.teacher = teacher;

}

public int getSubject() {

return subject;

}

public void setSubject(int subject) {

this.subject = subject;

}

public String getTime() {

return time;

}

public void setTime(String time) {

this.time = time;

}

}

3.Student.java

package com.samples.domain;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="Students")

public class Student {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="id")

private int id;

@Column(name="fname")

private String fname;

@Column(name="lname")

private String lname;

@Column(name="age")

private int age;

@Column(name="aclass")

private int aclass;

public Student() {}

public Student(int id, String fname, String lname, int age,int aclass) {

super();

this.id = id;

this.fname = fname;

this.lname = lname;

this.age = age;

this.aclass = aclass;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getFname() {

return fname;

}

public void setFname(String fname) {

this.fname = fname;

}

public String getLname() {

return lname;

}

public void setLname(String lname) {

this.lname = lname;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

public int getAclass() {

return aclass;

}

public void setAclass(int aclass) {

this.aclass = aclass;

}

@Override

public String toString() {

return "Student [id=" + id + ", fname=" + fname + ", lname=" + lname + ", age=" + age + ", aclass=" + "aclass"

+ "]";

}

}

4.Subject.java

package com.samples.domain;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="subjects")

public class Subject {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="id")

private int id;

@Column(name="name")

private String name;

@Column(name="shortcut")

private String shortcut;

public Subject() {}

public Subject(int id, String name, String shortcut ) {

super();

this.id = id;

this.name = name;

this.shortcut = shortcut;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getShortcut() {

return shortcut;

}

public void setShortcut(String shortcut) {

this.shortcut = shortcut;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

}

5.Teacher.java

package com.samples.domain;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="Teachers")

public class Teacher {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="id")

private int id;

@Column(name="fname")

private String fname;

@Column(name="lname")

private String lname;

@Column(name="age")

private int age;

public Teacher() {}

public Teacher(int id, String fname, String lname, int age) {

super();

this.id = id;

this.fname = fname;

this.lname = lname;

this.age = age;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getFname() {

return fname;

}

public void setFname(String fname) {

this.fname = fname;

}

public String getLname() {

return lname;

}

public void setLname(String lname) {

this.lname = lname;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

}

6.Teacher.java

package com.samples.domain;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="Teachers")

public class Teacher {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="id")

private int id;

@Column(name="fname")

private String fname;

@Column(name="lname")

private String lname;

@Column(name="age")

private int age;

public Teacher() {}

public Teacher(int id, String fname, String lname, int age) {

super();

this.id = id;

this.fname = fname;

this.lname = lname;

this.age = age;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getFname() {

return fname;

}

public void setFname(String fname) {

this.fname = fname;

}

public String getLname() {

return lname;

}

public void setLname(String lname) {

this.lname = lname;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

}

7. SubjectService.java

package com.samples.service;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.samples.domain.Subject;

import com.samples.utils.HibernateUtil;

public class SubjectService {

public void addSubject(Subject subject) {

Session session = HibernateUtil.getSessionFactory().openSession();

Transaction txn = session.getTransaction();

try {

txn.begin();

session.save(subject);

txn.commit();

} catch (Exception ex) {

if (txn != null) {

txn.rollback();

}

ex.printStackTrace();

} finally {

if (session != null) {

session.close();

}

}

}

public List<Subject> getSubjects() {

List<Subject> subjects = null;

Session session = HibernateUtil.getSessionFactory().openSession();

Transaction txn = session.getTransaction();

try {

txn.begin();

subjects = session.createQuery("from Subject").list();

txn.commit();

} catch (Exception ex) {

if (txn != null) {

txn.rollback();

}

ex.printStackTrace();

} finally {

if (session != null) {

session.close();

}

}

return subjects;

}

}

8. TeacherService.java

package com.samples.service;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.samples.domain.Teacher;

import com.samples.utils.HibernateUtil;

public class TeacherService {

public void addTeacher(Teacher teacher) {

Session session = HibernateUtil.getSessionFactory().openSession();

Transaction txn = session.getTransaction();

try {

txn.begin();

session.save(teacher);

txn.commit();

} catch (Exception ex) {

if (txn != null) {

txn.rollback();

}

ex.printStackTrace();

} finally {

if (session != null) {

session.close();

}

}

}

public List<Teacher> getTeachers() {

List<Teacher> teachers = null;

Session session = HibernateUtil.getSessionFactory().openSession();

Transaction txn = session.getTransaction();

try {

txn.begin();

teachers = session.createQuery("from Teacher").list();

txn.commit();

} catch (Exception ex) {

if (txn != null) {

txn.rollback();

}

ex.printStackTrace();

} finally {

if (session != null) {

session.close();

}

}

return teachers;

}

}

9. StudentService.java

**package** com.samples.service;

**import** java.util.List;

**import** org.hibernate.Session;

**import** org.hibernate.Transaction;

**import** com.samples.domain.Student;

**import** com.samples.utils.HibernateUtil;

**public** **class** StudentService {

**public** **void** addStudent(Student student) {

Session session = HibernateUtil.*getSessionFactory*().openSession();

Transaction txn = session.getTransaction();

**try** {

txn.begin();

session.save(student);

txn.commit();

} **catch** (Exception ex) {

**if** (txn != **null**) {

txn.rollback();

}

ex.printStackTrace();

} **finally** {

**if** (session != **null**) {

session.close();

}

}

}

**public** List<Student> getStudents() {

List<Student> students = **null**;

Session session = HibernateUtil.*getSessionFactory*().openSession();

Transaction txn = session.getTransaction();

**try** {

txn.begin();

students = session.createQuery("from Student").list();

txn.commit();

} **catch** (Exception ex) {

**if** (txn != **null**) {

txn.rollback();

}

ex.printStackTrace();

} **finally** {

**if** (session != **null**) {

session.close();

}

}

**return** students;

}

}

10. ClasoService.java

**package** com.samples.service;

**import** java.util.List;

**import** org.hibernate.Session;

**import** org.hibernate.Transaction;

**import** com.samples.domain.Claso;

**import** com.samples.utils.HibernateUtil;

**public** **class** ClasoService {

**public** **void** addClaso(Claso claso) {

Session session = HibernateUtil.*getSessionFactory*().openSession();

Transaction txn = session.getTransaction();

**try** {

txn.begin();

session.save(claso);

txn.commit();

} **catch** (Exception ex) {

**if** (txn != **null**) {

txn.rollback();

}

ex.printStackTrace();

} **finally** {

**if** (session != **null**) {

session.close();

}

}

}

**public** List<Claso> getClasos() {

List<Claso> clasos = **null**;

Session session = HibernateUtil.*getSessionFactory*().openSession();

Transaction txn = session.getTransaction();

**try** {

txn.begin();

clasos = session.createQuery("from Claso").list();

txn.commit();

} **catch** (Exception ex) {

**if** (txn != **null**) {

txn.rollback();

}

ex.printStackTrace();

} **finally** {

**if** (session != **null**) {

session.close();

}

}

**return** clasos;

}

}

11. ClasoServlet.java

**package** com.samples.servlets;

**import** java.io.IOException;

**import** java.util.List;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.samples.domain.Claso;

**import** com.samples.domain.Student;

**import** com.samples.domain.Subject;

**import** com.samples.domain.Teacher;

**import** com.samples.service.ClasoService;

**import** com.samples.service.StudentService;

**import** com.samples.service.SubjectService;

**import** com.samples.service.TeacherService;

@WebServlet("/class")

**public** **class** ClasoServlet **extends** HttpServlet {

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

SubjectService subjectService;

StudentService studentservice;

ClasoService clasoService;

TeacherService teacherService;

**public** **void** init() **throws** ServletException {

**super**.init();

**this**.subjectService = **new** SubjectService();

**this**.studentservice=**new** StudentService();

**this**.clasoService=**new** ClasoService();

**this**.teacherService=**new** TeacherService();

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

List<Claso> clasos = **this**.clasoService.getClasos();

List<Teacher> teachers = **this**.teacherService.getTeachers();

List<Subject> subjects=**this**.subjectService.getSubjects();

request.setAttribute("subjects", subjects);

request.setAttribute("clasos", clasos);

request.setAttribute("teachers", teachers);

RequestDispatcher rd = request.getRequestDispatcher("/viewclasos.jsp");

rd.forward(request, response);

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

**int** section=Integer.*parseInt*(request.getParameter("section"));

**int** subject=Integer.*parseInt*(request.getParameter("subject"));

**int** teacher=Integer.*parseInt*(request.getParameter("teacher"));

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

Claso claso=**new** Claso(section,subject,teacher,time);

**this**.clasoService.addClaso(claso);

List<Claso> clasos = **this**.clasoService.getClasos();

List<Teacher> teachers = **this**.teacherService.getTeachers();

List<Subject> subjects=**this**.subjectService.getSubjects();

request.setAttribute("subjects", subjects);

request.setAttribute("clasos", clasos);

request.setAttribute("teachers", teachers);

RequestDispatcher rd = request.getRequestDispatcher("/viewclasos.jsp");

rd.forward(request, response);

}

}

12. PortalServlet.java

package com.samples.servlets;

import java.io.IOException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.samples.domain.Student;

import com.samples.domain.Subject;

import com.samples.service.StudentService;

import com.samples.service.SubjectService;

@WebServlet("/student")

public class PortalServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

SubjectService subjectService;

StudentService studentservice;

public void init() throws ServletException {

super.init();

this.subjectService = new SubjectService();

this.studentservice=new StudentService();

}

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

List<Student> students = this.studentservice.getStudents();

request.setAttribute("students", students);

RequestDispatcher rd = request.getRequestDispatcher("/viewstudents.jsp");

rd.forward(request, response);

}

}

13. ReportServlet.java

package com.samples.servlets;

import java.io.IOException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.samples.domain.Claso;

import com.samples.domain.Student;

import com.samples.domain.Subject;

import com.samples.domain.Teacher;

import com.samples.service.ClasoService;

import com.samples.service.StudentService;

import com.samples.service.SubjectService;

import com.samples.service.TeacherService;

@WebServlet("/report")

public class ReportServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

SubjectService subjectService;

StudentService studentservice;

ClasoService clasoService;

TeacherService teacherService;

public void init() throws ServletException {

super.init();

this.subjectService = new SubjectService();

this.studentservice=new StudentService();

this.clasoService=new ClasoService();

this.teacherService=new TeacherService();

}

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

List<Claso> clasos = this.clasoService.getClasos();

List<Teacher> teachers = this.teacherService.getTeachers();

List<Subject> subjects=this.subjectService.getSubjects();

List<Student> students = this.studentservice.getStudents();

request.setAttribute("students", students);

request.setAttribute("subjects", subjects);

request.setAttribute("clasos", clasos);

request.setAttribute("teachers", teachers);

RequestDispatcher rd = request.getRequestDispatcher("/viewreport.jsp");

rd.forward(request, response);

}

}

14. SubjectServlet.java

package com.samples.servlets;

import java.io.IOException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.samples.domain.Student;

import com.samples.domain.Subject;

import com.samples.service.StudentService;

import com.samples.service.SubjectService;

@WebServlet("/subject")

public class SubjectServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

SubjectService subjectService;

StudentService studentservice;

public void init() throws ServletException {

super.init();

this.subjectService = new SubjectService();

this.studentservice=new StudentService();

}

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

List<Subject> subjects = this.subjectService.getSubjects();

request.setAttribute("subjects", subjects);

RequestDispatcher rd = request.getRequestDispatcher("/viewsubjects.jsp");

rd.forward(request, response);

}

}

15. TeacherServlet.java

package com.samples.servlets;

import java.io.IOException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.samples.domain.Claso;

import com.samples.domain.Student;

import com.samples.domain.Subject;

import com.samples.domain.Teacher;

import com.samples.service.ClasoService;

import com.samples.service.StudentService;

import com.samples.service.SubjectService;

import com.samples.service.TeacherService;

@WebServlet("/teacher")

public class TeacherServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

SubjectService subjectService;

StudentService studentservice;

ClasoService clasoService;

TeacherService teacherService;

public void init() throws ServletException {

super.init();

this.subjectService = new SubjectService();

this.studentservice=new StudentService();

this.clasoService=new ClasoService();

this.teacherService=new TeacherService();

}

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

List<Teacher> teachers = this.teacherService.getTeachers();

request.setAttribute("teachers", teachers);

RequestDispatcher rd = request.getRequestDispatcher("/viewteachers.jsp");

rd.forward(request, response);

}

}

16.AddClass.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*class* method=*"post"*>

Enter Details:

<table>

<tr>

<td>Section Id</td><td> <input type=*"number"* name=*"section"* required></td>

</tr>

<tr>

<td>Teacher Id</td><td> <input type=*"number"* name=*"teacher"* required></td>

</tr>

<tr>

<td>Subject Id</td><td> <input type=*"number"* name=*"subject"* required></td>

</tr>

<tr>

<td>Time</td><td> <input type=*"time"* name=*"time"* required></td>

</tr>

<tr><td/><td><input type=*"submit"* value=*"Add"*></td></tr>

</table>

</form>

</body>

</html>

17.viewclasos.jsp

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<%@page import=*"java.util.List,com.samples.domain.\*"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>List of Classes</title>

<link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>

</head>

<body style="background-image: *url('css/background.jpg')*;">

<table>

<tr>

<th>Section</th>

<th>Subject</th>

<th>Time</th>

<th>Teacher</th>

</tr><tr></tr>

<%List <Claso> clasos = (List<Claso>)request.getAttribute("clasos");

List <Teacher> teachers = (List<Teacher>)request.getAttribute("teachers");

List<Subject> subjects=(List<Subject>)request.getAttribute("subjects");

**for**(Claso c:clasos){%>

<tr>

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

<td><%**int** k=c.getSubject();

**for** (Subject t:subjects){

**int** l=t.getId();

**if** (k==l){

out.println(t.getShortcut());

}

}%>

</td><td><%=c.getTime() %></td>

<td>

<%**int** k1=c.getTeacher();

**for** (Teacher t2:teachers){

**int** l2=t2.getId();

**if** (k1==l2){

out.println(t2.getFname()+" "+t2.getLname());

}

}

}

%></td>

</tr>

</table>

<br/>

<a href=*"AddClass.html"*>Add Class </a>\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ <a href=*"portal.html"*>Home</a>

</body>

</html>

18.viewreport.jsp

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<%@page import=*"java.util.List,com.samples.domain.\*"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>List of Classes</title>

<link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>

</head>

<body style="background-image: *url('css/background.jpg')*;">

<table>

<tr>

<th>Id</th>

<th>Name</th>

<th>Section</th>

<th>Subject</th>

<th>Teacher</th>

<th>time</th>

</tr>

<%List <Claso> clasos = (List<Claso>)request.getAttribute("clasos");

List <Teacher> teachers = (List<Teacher>)request.getAttribute("teachers");

List<Subject> subjects=(List<Subject>)request.getAttribute("subjects");

List<Student> students=(List<Student>)request.getAttribute("students");

**for**(Student s:students){%>

<tr><td><%=s.getId() %></td>

<td><% out.print(s.getFname()+" "+s.getLname());%></td>

<%**for**(Claso c:clasos){

**if** (c.getId()==s.getAclass()){%>

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

<td><%**int** k=c.getSubject();

**for** (Subject t:subjects){

**int** l=t.getId();

**if** (k==l){

out.println(t.getShortcut());

%></td><td><%

}

}

**int** k1=c.getTeacher();

**for** (Teacher t2:teachers){

**int** l2=t2.getId();

**if** (k1==l2){

out.println(t2.getFname()+" "+t2.getLname());

}

}

%><td><% out.print(c.getTime());}}}%></td>

</tr>

</table>

<br/>

<a href=*"portal.html"*>Home</a>

</body>

</html>

19.viewstudents.jsp

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>List of Students</title>

<link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>

</head>

<body style="background-image: *url('css/background.jpg')*;">

<div id=*"page"* >

<div id=*"wrapper"*>

<div id=*"header"*>

<h3>Students List</h3>

</div>

<div id=*"container"*>

<div id=*"content"*>

<table>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>age</th>

</tr>

<c:forEach var=*"students"* items=*"*${students}*"*>

<tr>

<td>${students.fname}</td>

<td>${students.lname}</td>

<td>${students.age}</td>

</tr>

</c:forEach>

</table><br/>

<a href=*"portal.html"*>Home</a>

</div>

</div>

</div>

</body>

</html>

20.viewsubjects.jsp

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>View Books</title>

</head>

<body>

<h1>Subjects</h1>

<table>

<tr>

<th>Id</th>

<th>Name</th>

<th>Shortcut</th>

</tr>

<c:forEach var=*"subjects"* items=*"*${subjects}*"*>

<tr>

<td>${subjects.id}</td>

<td>${subjects.name}</td>

<td>${subjects.shortcut}</td>

</tr>

</c:forEach>

</table>

<br/>

<a href=*"portal.html"*>Home</a>

</body>

</html>

21.viewteachers.jsp

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>List of Teachers</title>

<link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>

</head>

<body style="background-image: *url('css/background.jpg')*;">

<div id=*"page"*>

<div id=*"wrapper"*>

<div id=*"header"*>

<h3>Teachers</h3>

</div>

</div>

<div id=*"container"*>

<div id=*"content"*>

<table>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>age</th>

</tr>

<c:forEach var=*"teachers"* items=*"*${teachers}*"*>

<tr>

<td>${teachers.fname}</td>

<td>${teachers.lname}</td>

<td>${teachers.age}</td>

</tr>

</c:forEach>

</table><br/>

<a href=*"portal.html"*>Home</a>

</div>

</div>

</div>

</body>

</html>

22.hibernate.cfg.xml

<?xml version=*'1.0'* encoding=*'utf-8'*?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<!-- Database connection settings -->

<property name=*"connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<property name=*"connection.url"*>jdbc:mysql://localhost:3306/adminportal</property>

<property name=*"connection.username"*>root</property>

<property name=*"connection.password"*>1234</property>

<!-- SQL dialect -->

<property name=*"dialect"*>org.hibernate.dialect.MySQL57Dialect</property>

<!-- format sql output -->

<property name=*"hibernate.format\_sql"*>true</property>

<property name=*"hbm2ddl.auto"*>update</property>

<!-- Use annotation based mapping metadata -->

<mapping class=*"com.samples.domain.Subject"*/>

<mapping class=*"com.samples.domain.Claso"*/>

<mapping class=*"com.samples.domain.Teacher"*/>

<mapping class=*"com.samples.domain.Student"*/>

</session-factory>

</hibernate-configuration>