Date 20/02/2023

Advance java lab exam

1. Create a web application using servlet, jsp and hibernate technologies and do the following.

Create student registration page in jsp for adding the following details

1.Student Roll No

2.Studentname

2. Studentaddress

3. phoneno

4.degree

Save the above data into the student table by using hibernate technology. Use Servlet for writing business

logic for saving the registration data (code for saving the data in to the table)

input.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Addition Demo</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>
    <div class="container">
        <form action="accept" method="get" class="form">
            <div class="form-group">
                <label class="control-label">student name </label>
                <input type="text" name="txtname" placeholder="student name"
```

```html
                        class="form-control">
                </div>
                <div class="form-group">
                        <label class="control-label">student class
name </label>
                        <input type="text" name="txtclassname"
placeholder="Student class name "
                        class="form-control">
                </div>
                <div class="form-group">
                        <label class="control-label">student roll
number</label>
                        <input type="text" name="txtroll"
placeholder="roll number"
                        class="form-control">
                </div>
                <div class="form-group">
                        <label class="control-label">student
address </label>
                        <input type="text" name="txtaddress"
placeholder="student address"
                        class="form-control">
                </div>
                <div class="form-group">
                        <label class="control-label">student phone
number</label>
                        <input type="text" name="txtSnum"
placeholder="Student phone number"
                        class="form-control">
                </div>
                <div class="form-group">
                        <label class="control-label">student
degree</label>
                        <input type="text" name="txtdegree"
placeholder="Student degree"
                        class="form-control">
                </div>
                <input type="submit" class="btn btn-block btn-
success"
                value="CLICK TO CHECK" name="btnAdd">
        </form>
    </div>
</body>
</html>
```

Details

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
    pageEncoding="ISO-8859-1" %>
```

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sum Page</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>
<%
    int sname = Integer.parseInt(request.getParameter("txtname"));
    int roll= Integer.parseInt(request.getParameter("txtSnum"));
    int address = Integer.parseInt(request.getParameter("txtname"));
    int phone  = Integer.parseInt(request.getParameter("txtname"));
    int degree= Integer.parseInt(request.getParameter("txtname"));
%>
<div class = "container">
 <h1 style="color:slateblue">student details  <%=sname%>  <%=roll%>  <%=address%>  <%=phone%>  <%=degree%>  </h1>

</div>

</body>
</html>
```

Student class

```java
package com.joinedtabledemo.pojo;

public class Student {

    private String name;
    private int rollno;
```

```java
    private String address;
    private int phone;
    private String degree;
    public Student() {
        super();
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public int getRollno() {
        return rollno;
    }
    public void setRollno(int rollno) {
        this.rollno = rollno;
    }
    public String getAddress() {
        return address;
    }
    public void setAddress(String address) {
        this.address = address;
    }
    public int getPhone() {
        return phone;
    }
    public void setPhone(int phone) {
        this.phone = phone;
    }
    public String getDegree() {
        return degree;
    }
    public void setDegree(String degree) {
        this.degree = degree;
    }
    @Override
    public String toString() {

        return super.toString();
    }


}
```

Hibernate code

```java
package com.joinedtabledemo.main;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
```

```java
import org.hibernate.cfg.Configuration;

import com.joinedtabledemo.pojo.FourWheeler;
import com.joinedtabledemo.pojo.Student;
import com.joinedtabledemo.pojo.TwoWheeler;

public class AppMain {

    public static void main(String[] args) {

        Configuration config = new Configuration();
        config.configure("hibernate.cfg.xml");

        SessionFactory sf = config.buildSessionFactory();

        Session se = sf.openSession();

        Transaction tr = se.beginTransaction();

        Student s = new Student();
        s.setRollno(6);
        s.setName("abhishek");
        s.setAddress("mumbai");
        s.setPhone(2334455);
        s.setDegree("computer science");
        se.save(s);

        tr.commit();

        System.out.println("objects saved in database");

        sf.close();
    }
}
```

Student table

```sql
CREATE TABLE Student1 (
  id int(11) NOT NULL AUTO_INCREMENT,
  roll_no varchar(20) NOT NULL,
  name varchar(50) NOT NULL,
  address varchar(100) NOT NULL,
  phone_no int  NOT NULL,
  degree varchar(50) NOT NULL,
  PRIMARY KEY (id)
);
```

Output

student name

abhishek

student class name

dac

student roll number

08

student address

mumbai

student phone number

29495003004

student degree

BE ELECTRICAL

CLICK TO CHECK

Result Grid	Filter Rows:	Edit:	Export

	id	roll_no	name	address	phone_no	degree
▶	1	10	alex	mumbai	2202020	computer science
	2	12	jorge	pune	2202030	computer science
	3	13	carry	banglore	2202040	computer science
	4	14	smith	dellhi	2202050	computer science
	6	15	abhishek	mumbai	2202060	electrical
*	NULL	NULL	NULL	NULL	NULL	NULL