IP Lab 06.03.2021

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IDE used: Eclipse IDE

Server used : Tomcat (XAMPP)

Database used: MySQL (XAMPP)

1	Write a Servlet a program to implement the session tracking mechanism using HTTPSession for the following form	
	HTML form	
	First name:	
	Last name:	
	E-mail:	
	Male Female	
	Submit Reset	

Source Code:

index.html

```
FirstName: <input type="text" name="fname" /><br>
LastName: <input type="text" name="lname" /><br>
Email: <input type="text" name="email" /><br>
Sender: <br/>
<input type="radio" id="male" name="gender" value="male"><br/>
<label for="male">Male</label><br/>
<input type="radio" id="female" name="gender" value="female"><br/>
<input type="radio" id="female" name="gender" value="female"><br/>
<input type="radio" id="female"/semale</br>
</ra>
</ra>

<input type="submit" value="submit" /> &nbsp; <input type="reset" value="reset" /><br/>
</form>
</center>
</body>
</html>
```

FirstServlet.java

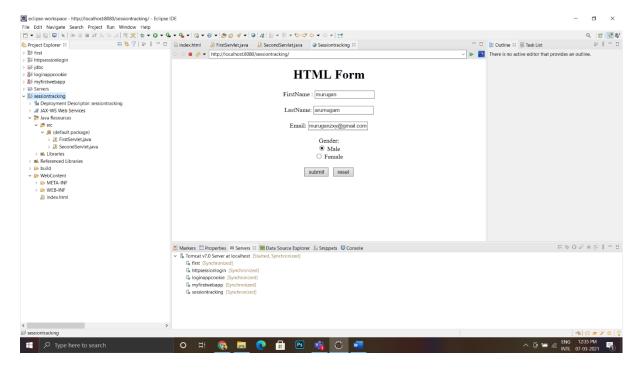
```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletRequest;
```

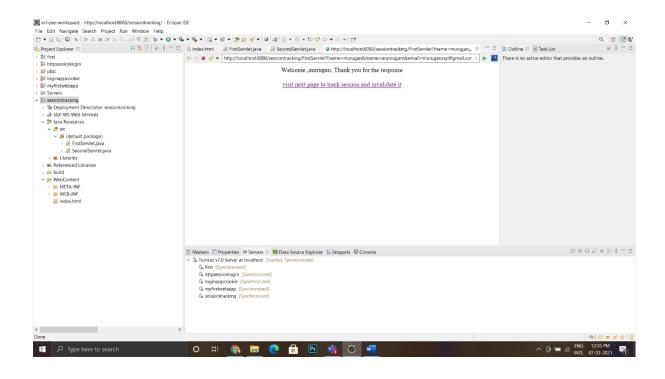
```
import javax.servlet.http.HttpSession;
@WebServlet("/FirstServlet")
public class FirstServlet extends HttpServlet{
  public void doGet(HttpServletRequest req,HttpServletResponse rsp) throws
IOException, ServletException
  {
     try
     {
       rsp.setContentType("text/html");
       PrintWriter out = rsp.getWriter();
       String n=req.getParameter("fname");
       out.println("<center>");
       out.println("Welcome,"+ n +". Thank you for the response");
       HttpSession session=req.getSession();
       session.setAttribute("uname",n);
       out.println("<br>");
       out.println("<br>");
       out.print("<a href='SecondServlet'>visit next page to track session and
invalidate it</a>");
       out.println("<center>");
       out.close();
```

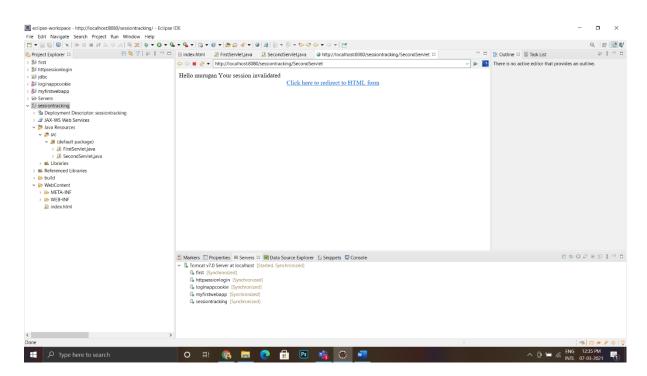
```
} catch(IOException e){System.out.println(e);}
  }
}
SecondServlet.java
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
@WebServlet("/SecondServlet")
public class SecondServlet extends HttpServlet{
  public void doGet(HttpServletRequest req, HttpServletResponse rsp)throws
IOException ,ServletException {
    try {
     rsp.setContentType("text/html");
     PrintWriter out = rsp.getWriter();
     HttpSession session=req.getSession(false);
     String n=(String)session.getAttribute("uname");
     out.println("Hello "+n);
```

```
session.invalidate();
    out.println("Your session invalidated");
    out.println("<center>");
    out.print("<a href='http://localhost:8080/sessiontracking/'>Click
here to redirect to HTML form</a>");
    out.println("<center>");
    out.close();
    } catch(IOException e){System.out.println(e);}
}
```

Output







Create a servlet program to implement the registration form to validate all the field as per the requirements given below. Registration Form User Id: Required and must be of length 5 to 12. Password: Required and must be of length 7 to 12. Name: Required and alphabates only. Address: Optional. Country: (Please select a country) > Required. Must select a country. ZIP Code: Required. Must be numeric only. Email: Required. Must be a valid email. Sex: O Male O Female Required. Required. Language:

☑ English ☐ Non English About: Optional. Submit

Source Code:

```
index.html
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Form validation</title>
  </head>
  <body>
    <center>
    <h1>Registration Form</h1>
     </center>
    <form action="Validate" method="POST">
<
```

User ID : <input type="text" name="userid" />

Password : <input type="text" name="pwd" />

Name : <input type="text" name="fname" />

Address : <textarea id="add" name="address" rows="4" cols="50"></textarea>

Country : <select id="con" name="country">

<option value="">Select your option

<option value="India">India</option>

<option value="USA">USA</option>

<option value="UK">Uk</option>

<option value="UAE">UAE</option>

</select>

Zip Code : <input type="text" name="zipcode" />

Email : <input type="email" name="emailName" />

Sex : <input type="radio" id="male" name="gender" value="male"><label for="male">Male</label>

<input type="radio" id="female" name="gender"
value="female"><label for="female">Female</label>

```
Language :<input type="checkbox" id="l1" name="lan1"
value="English"><label for="lan1">English</label>
       <input type="checkbox" id="l2" name="lan2" value="Non</pre>
English"><label for="lan2">Non English</label>
          : <textarea id="about" name="about" rows="4"
About
cols="50"></textarea>
<center> <input type="submit" value="submit" /> </center>
     </form>
  </body>
</html>
Validate.java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.ArrayList;
import java.util.List;
import java.util.regex.Pattern;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
```

import javax.servlet.http.HttpServletResponse;

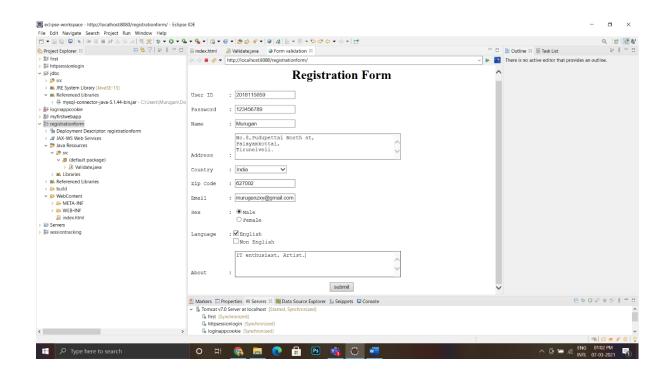
```
@WebServlet("/Validate")
public class Validate extends HttpServlet{
  public void doPost(HttpServletRequest req,HttpServletResponse rsp)throws
IOException, ServletException
  {
    List<String> al = new ArrayList<String>();
    rsp.setContentType("text/html");
    PrintWriter out = rsp.getWriter();
    String id = req.getParameter("userid");
    String pwd = req.getParameter("pwd");
    String name = req.getParameter("fname");
    String country = req.getParameter("country");
    String zipcode = req.getParameter("zipcode");
    String email = req.getParameter("emailName");
    String emailRegex = "^[a-zA-Z0-9_+&*-]+(?:\."+
                "[a-zA-Z0-9 + &*-]+)*@"+
                "(?:[a-zA-Z0-9-]+\.)+[a-z"+
                "A-Z]{2,7}$";
    Pattern pat = Pattern.compile(emailRegex);
    String gender = req.getParameter("gender");
```

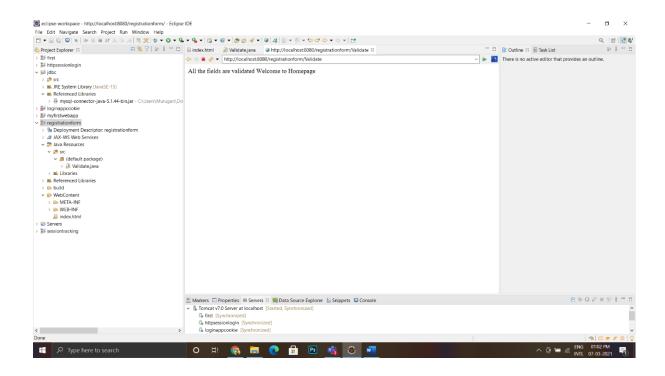
String lan1 = req.getParameter("lan1");

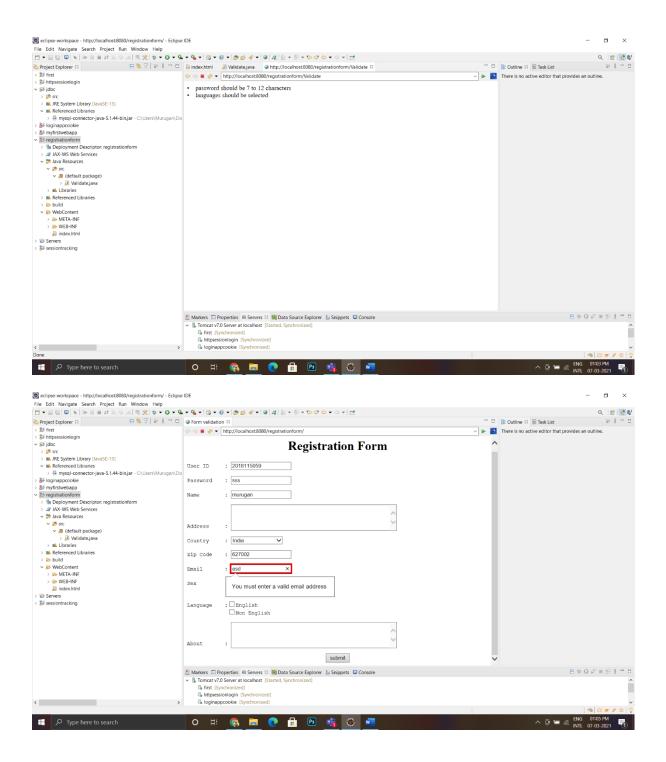
```
String lan2 = req.getParameter("lan2");
if(id.equals("") || null == id)
{
  al.add("id should not be empty");
}
if(id.length() < 5 \parallel id.length() > 12)
{
    al.add("userid should be 5 to 12 characters");
}
if(pwd.equals("") || null == pwd )
{
  al.add("password should not be empty");
}
if(pwd.length() < 7 \parallel pwd.length() > 12)
{
   al.add("password should be 7 to 12 characters");
}
if (name.equals("") || null == name) {
```

```
al.add("Name can't be empty.");
}
if(!name.matches("^[a-zA-Z]*$"))
{
    al.add("Name should be in letters");
}
if(country.equals("") \parallel null == country) \\
{
   al.add("Country should be selected!!");
}
if(zipcode.equals("") || null == zipcode || zipcode.matches("^[a-zA-Z]*$"))
{
  al.add("zipcode should not be empty and should be a number");
}
if(!pat.matcher(email).matches() || email.equals(""))
{
  al.add("email should not empty and should be valid email");
}
if(gender == null)
{
  al.add("gender should be selected");
```

```
}
    if(lan1 == null && lan2 == null)
    {
       al.add("languages should be selected");
     }
    for(String s: al) {
       out.println(""+ s +"");
     }
    if(al.isEmpty())
     {
       out.println("All the fields are validated Welcome to Homepage");
     }
}
Output
```







3)

3 Develop a JSP application of a mark processing system showing the grade for a given mark and displaying the total number of students under each grade.

91-100 O

81-90 A+

71-80 A

```
61-70 B
51-60 C
<50 RA
```

Source code:

index.html

```
<!DOCTYPE html>
<html>
   <head>
       <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
       <title>Mark Processing System</title>
   </head>
   <body>
   <center>
       <h1>JSP Application - Mark Processing System</h1>
       <h2>IP Lab Student Records</h2>
       <form action="insertgrade.jsp" method="post">
           Roll No
          : <input_type="text" name="rollno" required />
     : <input_type="text"_name="fname"_required_/>
Overall Mark : <input type="text" name="mark" required/>
           <input type="submit" value="submit" />
           </form>
   </center>
   </body>
</html>
```

insertgrade.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*, java.util.*"%>
<%int no = Integer.parseInt(request.getParameter("mark"));%>
<%
    String rollno = request.getParameter("rollno");
    String name = request.getParameter("fname");
    String grade = "";
// out.println(rollno);
// out.println(name);
// out.println(no);
if(no >= 91 && no <=100){
        grade = "0";
    }
    if(no >= 81 && no <=90) {</pre>
```

```
grade = "A+";
     if(no >= 71 && no <=80) {
         grade = "A";
     if(no >= 61 && no <=70) {
         grade = "B";
     if(no >= 51 && no <=60) {
         grade = "C";
     if(no <= 50) {
         grade = "RA";
     }
//
      out.println(grade);
try
{
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/test",
"root", "");
Statement st=conn.createStatement();
int i=st.executeUpdate("insert into
grade(rollno,name,grade)values('"+rollno+"','"+name+"','"+grade+"')");
out.println("Data is successfully inserted!");
out.println("<br>'');
out.println("<a href='view.jsp'>"+"click here to view the student counts according
to grade"+"</a><br><br>");
out.println("");
out.println("<a href='http://localhost:8080/markprocessingsystem/'>"+"click here
to insert marks"+"</a>");
}
catch(Exception e)
System.out.print(e);
e.printStackTrace();
}
%>
```

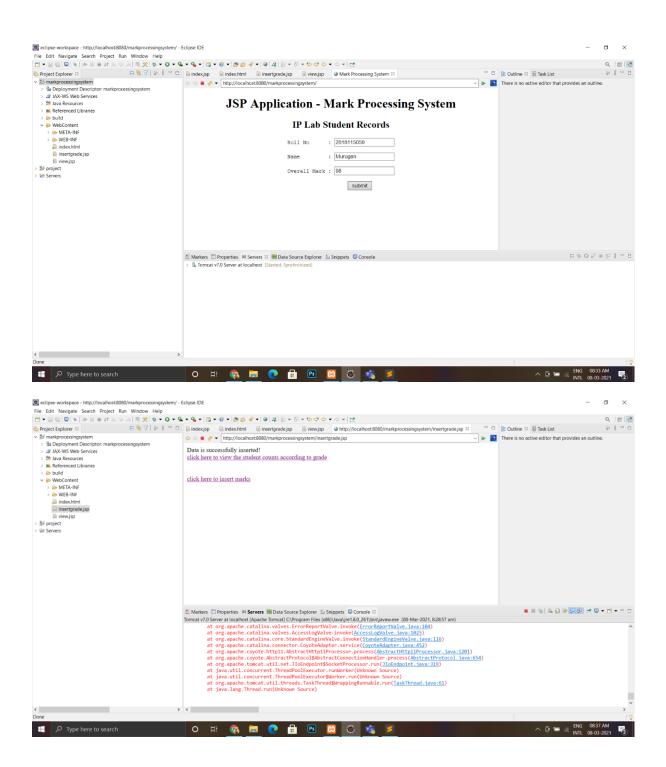
view.jsp

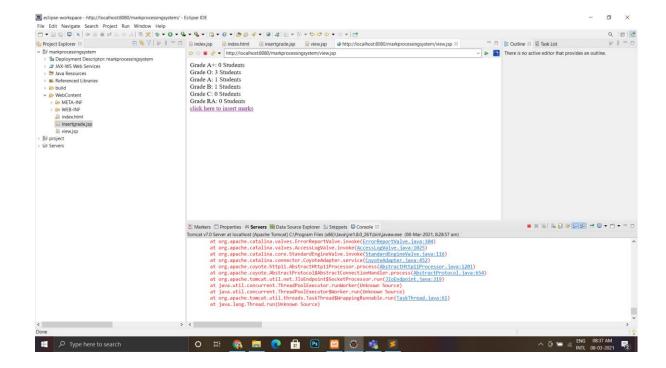
```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.*,java.util.*"%>
```

```
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/test",
"root", "");
statement=conn.createStatement();
String sql ="SELECT COUNT(rollno) FROM grade where grade='A+'";
ResultSet rs = statement.executeQuery(sql);
String Aplus="";
while(rs.next()){
Aplus = rs.getString(1);
out.println("Grade A+: " +Aplus+" Students");
out.println("<br>");
String sql1 = "SELECT COUNT(rollno) FROM grade where grade='0'";
rs = statement.executeQuery(sql1);
String Ograde = "";
while(rs.next()){
Ograde = rs.getString(1);
out.println("Grade 0: " +Ograde+" Students");
out.println("<br>");
String sql2 = "SELECT COUNT(rollno) FROM grade where grade='A'";
rs = statement.executeQuery(sql2);
String Agrade="";
while(rs.next()){
Agrade = rs.getString(1);
out.println("Grade A: " +Agrade+" Students");
out.println("<br>");
String sql3 = "SELECT COUNT(rollno) FROM grade where grade='B'";
rs = statement.executeQuery(sql3);
String Bgrade="";
while(rs.next()){
Bgrade = rs.getString(1);
out.println("Grade B: " +Bgrade+" Students");
out.println("<br>");
String sql4 = "SELECT COUNT(rollno) FROM grade where grade='C'";
rs = statement.executeQuery(sql4);
```

```
String Cgrade="";
while(rs.next()){
Cgrade = rs.getString(1);
out.println("Grade C: " +Cgrade+" Students");
out.println("<br>");
String sql5 = "SELECT COUNT(rollno) FROM grade where grade='RA'";
rs = statement.executeQuery(sql5);
String RAgrade="";
while(rs.next()){
RAgrade = rs.getString(1);
out.println("Grade RA: " +RAgrade+" Students");
out.println("<br>");
out.println("<a href='http://localhost:8080/markprocessingsystem/'>"+"click here
to insert marks"+"</a>");
catch(Exception e)
System.out.print(e);
e.printStackTrace();
%>
```

Output:





4. Create a Student database for the 6th semester Results and establish JDBC connectivity using servlet/jsp code.

Source code:

index.html

```
<!DOCTYPE html>
<html>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Student Results</title>
    </head>
    <body>
    <center>
        <h1>IT Sixth sem Student Database system</h1>
       <form_action="updateresult.jsp"_method="POST">
            Roll no: <input type="text" name="rollno" />
            <br>
            <br>
            name: <input type="text" name="name" />
            <br>
            <br>
            Integrated Programming
            <br>
            <br>
            Theory Grade : <select name="tgrade1"_id="tgrade1">
                             <option_value="">Select a grade</option>
                               <option_value="0">0</option>
                                <option value="A+">A+</option>
                                <option value="A">A</option>
```

```
<option value="B">B</option>
                    <option value="RA">RA</option>
               </select>
<br>
<br>
<br>
<br>
Information Security
<br>
<br>
Theory Grade : <select name="tgrade2" id="tgrade2">
                 <option value="">Select a grade</option>
                   <option_value="0">0</option>
                    <option_value="A+">A+</option>
                    <option value="A">A</option>
                    <option_value="B">B</option>
                    <option value="RA">RA</option>
               </select>
<br>
<br>
<br>
<br>
Parallel and Distributed Systems
<br>
<br>
Theory Grade : <select name="tgrade3" id="tgrade3">
                 <option value="">Select a grade</option>
                   <option value="0">0</option>
                    <option value="A+">A+</option>
                    <option value="A">A</option>
                    <option_value="B">B</option>
                    <option_value="RA">RA</option>
               </select>
<br>
<br>
<br>
<br>
Mobile Computing
<br>
<br>
Theory Grade : <select name="tgrade4" id="tgrade4">
                 <option value="">Select a grade</option>
                   <option_value="0">0</option>
                    <option value="A+">A+</option>
                    <option_value="A">A</option>
                    <option_value="B">B</option>
                    <option value="RA">RA</option>
               </select>
<br>
<br>
```

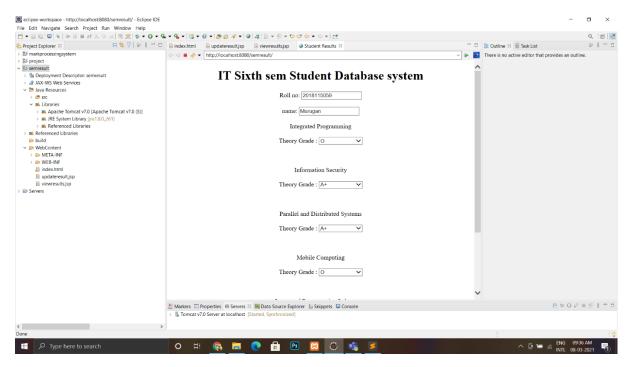
```
<br>
             <br>
             <u>Integrated Programming Laboratory</u>
             <br>
             <br>
             Lab Grade: <select name="lgrade1" id="lgrade1">
                                  <option value="">Select a grade</option>
                                  <option value="0">0</option>
                                   <option_value="A+">A+</option>
                                   <option value="A">A</option>
                                   <option value="B">B</option>
                                   <option value="RA">RA</option>
                              </select>
             <br>
             <br>
             Information Security and Mobile Computing Laboratory
             <br>
             <br>>
             Lab Grade: <select_name="lgrade2"_id="lgrade2">
                                  <option value="">Select a grade</option>
                                  <option value="0">0</option>
                                   <option_value="A+">A+</option>
                                   <option value="A">A</option>
                                   <option_value="B">B</option>
                                  <option value="RA">RA</option>
                             </select>
             <br>
             <br>
             <input_type="submit"_value="update"_/>
        </form>
    </center>
    </body>
</html>
updateresult.jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*,java.util.*"%>
    String rollno = request.getParameter("rollno");
    String name = request.getParameter("name");
    String theorygrade1 = request.getParameter("tgrade1");
    String theorygrade2 = request.getParameter("tgrade2");
String theorygrade3 = request.getParameter("tgrade3");
String theorygrade4 = request.getParameter("tgrade4");
    String labgrade1 = request.getParameter("lgrade1");
    String labgrade2 = request.getParameter("lgrade2");
try
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/test",
"root", "");
Statement st=conn.createStatement();
```

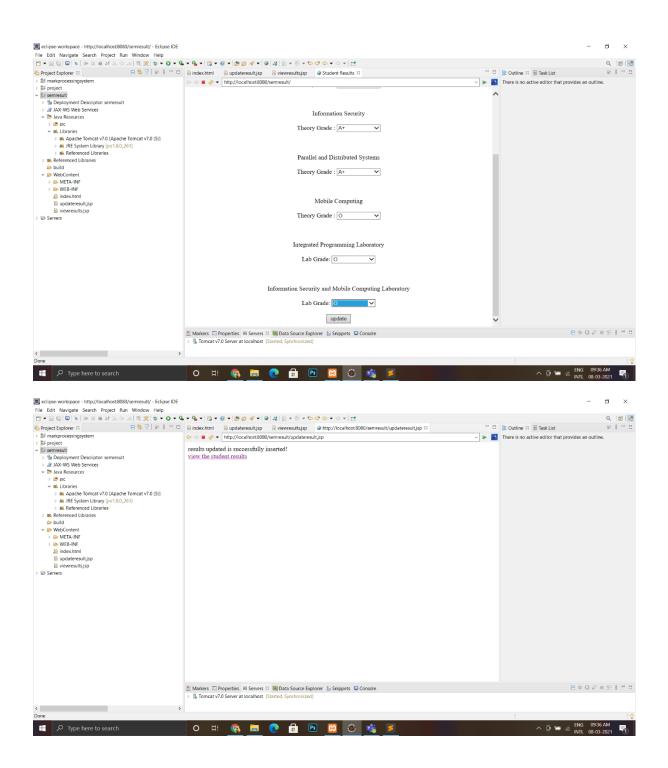
```
int i=st.executeUpdate("insert into
integratedprogramming(rollno,name,tgrade1,tgrade2,tgrade3,tgrade4,lgrade1,lgrade2)
values('"+rollno+"','"+name+"','"+theorygrade1+"','"+theorygrade2+"','"+theorygrade
e3+"','"+theorygrade4+"','"+labgrade1+"','"+labgrade2+"')");
out.println("results updated is successfully inserted!");
out.println("<br>");
out.println("<a href='viewresults.jsp'>"+"view the student results"+"</a>");
catch(Exception e)
System.out.print(e);
e.printStackTrace();
%>
viewresults.jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%
String driver = "com.mysql.jdbc.Driver";
String connectionUrl = "jdbc:mysql://localhost:3306/";
String database = "test";
String userid = "root";
String password = "";
try {
Class.forName(driver);
} catch (ClassNotFoundException e) {
e.printStackTrace();
Connection connection = null;
Statement statement = null;
ResultSet resultSet = null;
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Results</title>
   </head>
    <body>
        <h1>Retrieve Student Results</h1>
       Roll no
Name
Integrated Programming 
Information Security
```

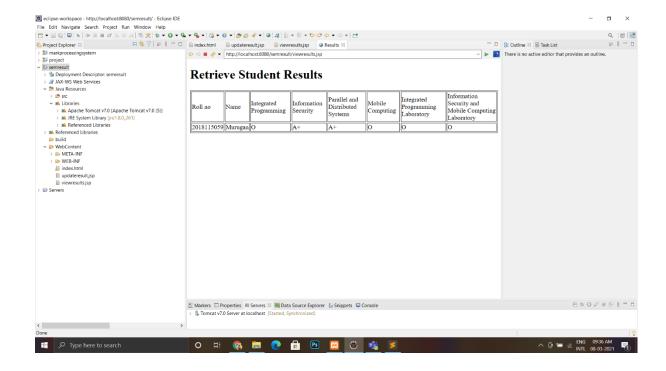
Parallel and Distributed Systems

```
Mobile Computing
Integrated Programming Laboratory
Information Security and Mobile Computing Laboratory
<%
try{
connection = DriverManager.getConnection(connectionUrl+database, userid,
password);
statement=connection.createStatement();
String sql ="select * from integratedprogramming";
resultSet = statement.executeQuery(sql);
while(resultSet.next()){
%>
<%=resultSet.getString("rollno") %>
<%=resultSet.getString("name") %>
<%=resultSet.getString("tgrade1") %>
<%=resultSet.getString("tgrade2") %>
<%=resultSet.getString("tgrade3") %>
<%=resultSet.getString("tgrade4") %>
<%=resultSet.getString("lgrade1") %>
<%=resultSet.getString("lgrade2") %>
<%
}
connection.close();
} catch (Exception e) {
e.printStackTrace();
}
%>
</body>
</html>
```

Output:







 ${\bf 5}$. Develop a servlet web application for onlineshop. The front-end of the application displays the

products available to add in the shopping cart. In the onlineshop web application, you create servlets, such as welcome, cartservlet, cartnxtservlet, and checkout. Let's first create the welcome servlet that displays the details of all products by retrieving the value of the products attribute. The products attribute returns the ArrayList in which the description and price of each product is displayed on the browser

Source code:

index.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Online Shopping Web Application</title>
    </head>
    <body>
    <center>
        <h1>Add Products to Online Shopping List</h1>
        <form_action="Welcome"_method="POST">
            Product ID: <input type="text" name="id" />
            <br>
            <br>
            Product Name: <input type="text" name="name" />
            <br>
```

```
welcome.java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.ArrayList;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/Welcome")
public class Welcome extends HttpServlet{
    List<String> idl = new ArrayList<String>();
```

```
ic class Welcome extends HttpServlet{
List<String> idl = new ArrayList<String>();
List<String> namel = new ArrayList<String>();
List<String> descl = new ArrayList<String>();
List<String> pricel = new ArrayList<String>();
```

```
public void doPost(HttpServletRequest req,HttpServletResponse rsp) throws
IOException , ServletException {
     rsp.setContentType("text/html");
     PrintWriter out = rsp.getWriter();
     String id = req.getParameter("id");
     String name = req.getParameter("name");
     String description = req.getParameter("desc");
     String price = req.getParameter("price");
     idl.add(id);
     namel.add(name);
     descl.add(description);
     pricel.add(price);
     req.getSession().setAttribute("Productidlist",idl);
     req.getSession().setAttribute("Productnamelist",namel);
     req.getSession().setAttribute("Productdesclist",descl);
     req.getSession().setAttribute("Productpricelist",pricel);
     out.println("Products Added");
     out.println("<a href='viewproducts'>View Products</a>");
```

```
out.println("<br><a
href='http://localhost:8080/onlineshoppingsystem/'>Click here to Add
Products</a>");
  }
}
viewproducts.java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/viewproducts")
public class viewproducts extends HttpServlet{
  public void doGet(HttpServletRequest req,HttpServletResponse rsp) throws
IOException, ServletException {
     List<String> proid= (List<String>)
req.getSession().getAttribute("Productidlist");
```

```
List<String> proname= (List<String>)
req.getSession().getAttribute("Productnamelist");
     List<String> prodes= (List<String>)
req.getSession().getAttribute("Productdesclist");
     List<String> proprice= (List<String>)
req.getSession().getAttribute("Productpricelist");
    rsp.setContentType("text/html");
    PrintWriter out = rsp.getWriter();
    out.print("");
     out.print("");
      out.print(" Product ID ");
      out.print(" Product Name ");
      out.print(" Product Description ");
      out.print(" Product Price");
     out.print("");
      for(int i=0;i<proid.size();i++)
      {
       out.println("");
        out.println(""+ proid.get(i) + "");
        out.println(""+ proname.get(i) + "");
```

```
out.println(""+ prodes.get(i) + "");
         out.println(""+ proprice.get(i) + "");
         out.println(""+ "<a href='Addtocart?listid="+ i +"'> Addtocart
</a>"+ "");
        out.println("");
       }
    out.println("");
    out.println("<br><a
href='http://localhost:8080/onlineshoppingsystem/'>Click here to Add
Products</a>");
  }
}
checkout.java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
@WebServlet("/Checkout")
public class Checkout extends HttpServlet{
  public void doPost(HttpServletRequest req,HttpServletResponse rsp)throws
IOException, ServletException {
     List<String> proid= (List<String>)
req.getSession().getAttribute("Productidlist");
     List<String> proname= (List<String>)
req.getSession().getAttribute("Productnamelist");
     List<String> prodes= (List<String>)
req.getSession().getAttribute("Productdesclist");
     List<String> proprice= (List<String>)
req.getSession().getAttribute("Productpricelist");
     rsp.setContentType("text/html");
     PrintWriter out = rsp.getWriter();
     String id = req.getParameter("proid");
     String name = req.getParameter("pname");
     String des = req.getParameter("pdes");
     String price = req.getParameter("price");
     proid.remove(id);
     proname.remove(name);
     prodes.remove(des);
     proprice.remove(price);
```

```
out.println("Successfully booked!!");
     out.println("<a href='viewproducts'>View Products</a>");
     out.println("<br><a
href='http://localhost:8080/onlineshoppingsystem/'>Click here to Add
Products</a>");
  }
}
addtocart.java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/Addtocart")
public class Addtocart extends HttpServlet{
```

```
IOException, ServletException {
     List<String> proid= (List<String>)
req.getSession().getAttribute("Productidlist");
     List<String> proname= (List<String>)
req.getSession().getAttribute("Productnamelist");
     List<String> prodes= (List<String>)
req.getSession().getAttribute("Productdesclist");
     List<String> proprice= (List<String>)
req.getSession().getAttribute("Productpricelist");
    rsp.setContentType("text/html");
    PrintWriter out = rsp.getWriter();
    int i = Integer.parseInt(req.getParameter("listid"));
    out.println(i);
    out.println("<form action='Checkout' method='POST'>");
           out.println("");
              out.println(" Product ID <input type='text'
name='proid' value = ""+ proid.get(i) +"" /> ");
              out.println(" Product Name  <input
type='text' name='pname' value = ""+ proname.get(i) +"" /> ");
              out.println(" Description <input type='text'
name='pdes' value = ""+ prodes.get(i) +"" /> ");
```

public void doGet(HttpServletRequest req,HttpServletResponse rsp) throws

Output:

