

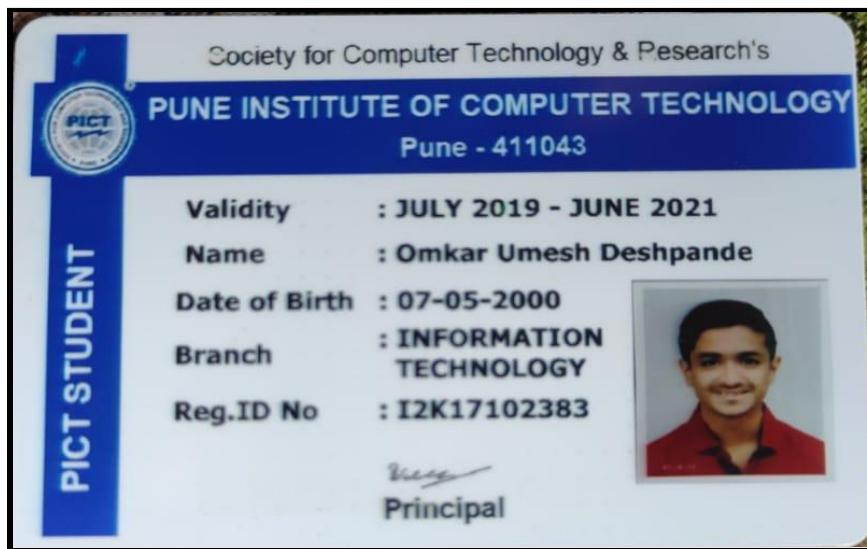
ASSIGNMENT 5

Name - Omkar Deshpande

Class - BE 10

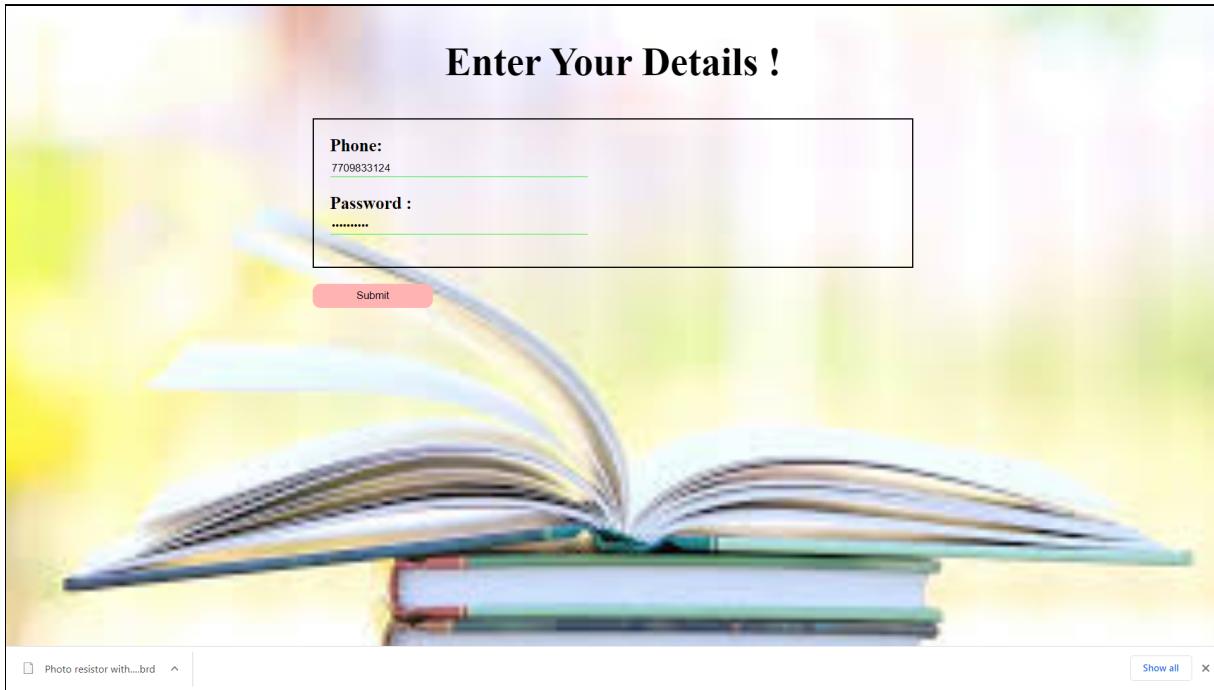
Roll No - 43212

Batch - Q10



Problem Statement - Create any Java Web Service and integrate it with any suitable application.

1. Website lands on a login page where you need to enter your contact number and password.



2. On submit, The website checks the ID and password in a mysql database with the help of Java REST API web service.

3. If you enter the wrong Id or password, the website will give you a warning.

The screenshot shows the same login page as before, but now with an error message: "This page says Wrong Id or Password !". An "OK" button is visible next to the message. The background still shows the stack of books. To the right of the browser window, the Chrome DevTools console is open, displaying a message about "Highlights from the Chrome 90 update".

4. You can see in the server logs, what ID and password has been typed.

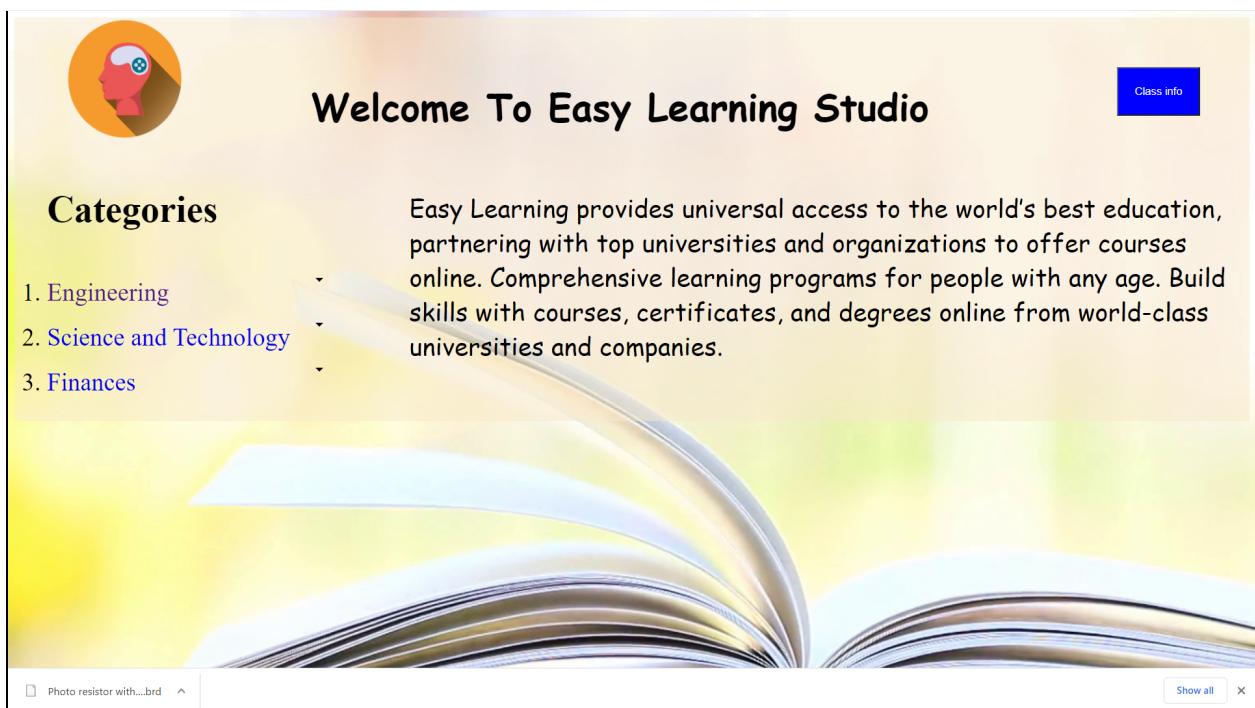
The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Displays the project structure for "HelloREST".
- Deployment Descriptor:** Shows the deployment descriptor file.
- src:** Contains Java source files like "HelloResource.java" and "Student.java".
- Console:** Displays the Tomcat 9.0 Server logs. The logs show the following entries related to user authentication:

```
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dfile.encoding=Cp1252
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -XX:ShowCodeDetailsInExceptionMessages
May 22, 2021 6:33:28 PM org.apache.catalina.core.ApplicationListener lifecycleEvent
INFO: The Apache Tomcat Native library which allows using OpenSSL was not found on the java.library.path: [C:\Users\Omkar\.p2\pool\plugins\org.eclipse.jdt.core\org.eclipse.jdt.core_9.0.0.v20200207-0507\rebin\java.exe]
May 22, 2021 6:33:29 PM org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["http-nio-8080"]
May 22, 2021 6:33:29 PM org.apache.catalina.startup.Catalina load
INFO: Server initialization [001] milliseconds
May 22, 2021 6:33:29 PM org.apache.catalina.core.StandardService startInternal
INFO: Starting service [Catalina]
May 22, 2021 6:33:29 PM org.apache.catalina.core.StandardEngine startInternal
INFO: Starting Servlet engine: [Apache Tomcat/9.0.43]
May 22, 2021 6:33:32 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARS that were scanned but did not contain any TLDs.
May 22, 2021 6:33:34 PM org.apache.axis.configuration.EngineConfigurationFactory$Servlet getServerEngineConfig
SEVERE: Unable to find config file. Creating new servlet engine config file: /WEB-INF/server-config.wsd
May 22, 2021 6:33:34 PM org.apache.axis.utils.Javaults isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
May 22, 2021 6:33:34 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARS that were scanned but did not contain any TLDs.
May 22, 2021 6:33:35 PM org.apache.catalina.core.StandardProtocolHandler start
INFO: Starting ProtocolHandler ["http-nio-8080"]
May 22, 2021 6:33:35 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in [5938] milliseconds
id:7709833124&pass=123456@ddd
id 7709833124
pass 123456@ddd
7709833124123456@dddLoading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically used if the URL contains jdbc:mysql://
id:7709833124&pass=123456@ddd
id 7709833124
pass 123456@ddd
7709833124123456@ddd
<
```

5. If you enter your ID and password right, you will be redirected to the website homepage.

6. You will see a class info button on the top right corner. It will show your classmates.



7. In the view classmates page you will first see an empty list.
8. When you click the get info button, a request goes to the server to query classmates list from mysql database.

Meet your Classmates !

id	first name	last name	course
1	Omkar	Deshpande	Android
2	John	Doe	DBMS
3	Alrik	Weirdo	Web-Dev
4	Devesh	Woodwalker	AI
5	Shubham	Daylighter	Mathematics
6	Atharva	Fairchild	Accounting

Get list

Photo resistor with...brd ^ Show all X

9. Then you can see your classmates list.

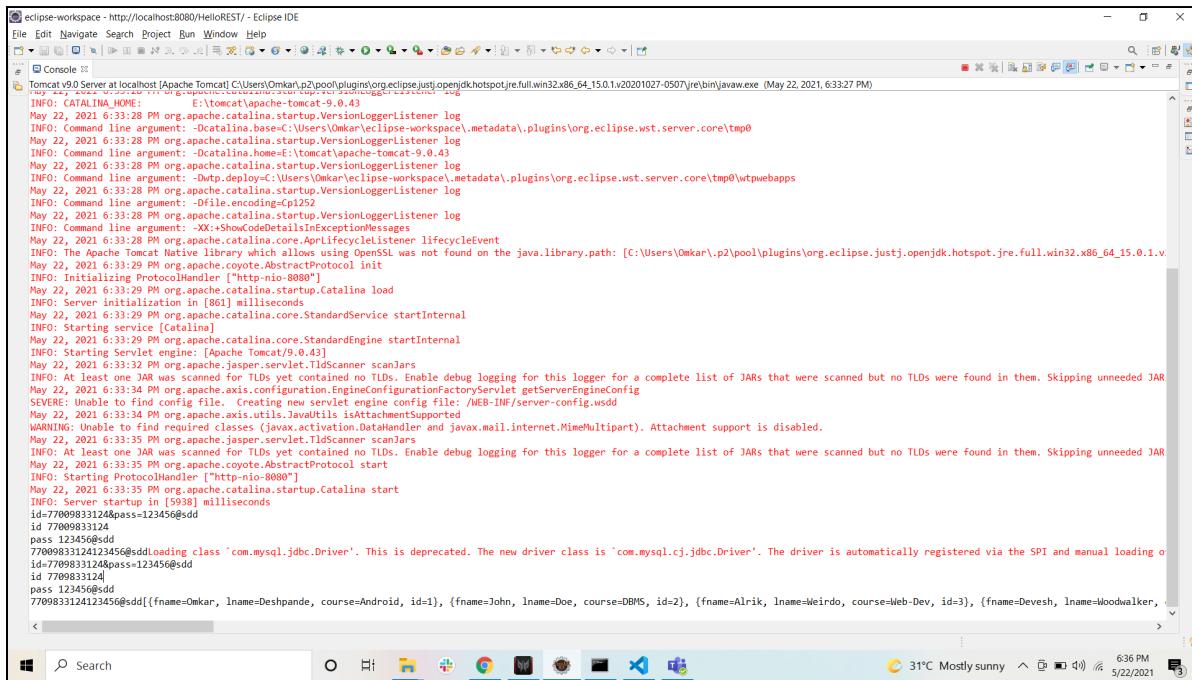
Meet your Classmates !

id	first name	last name	course
1	Omkar	Deshpande	Android
2	John	Doe	DBMS
3	Alrik	Weirdo	Web-Dev
4	Devesh	Woodwalker	AI
5	Shubham	Daylighter	Mathematics
6	Atharva	Fairchild	Accounting

Get list

Photo resistor with...brd ^ Show all X

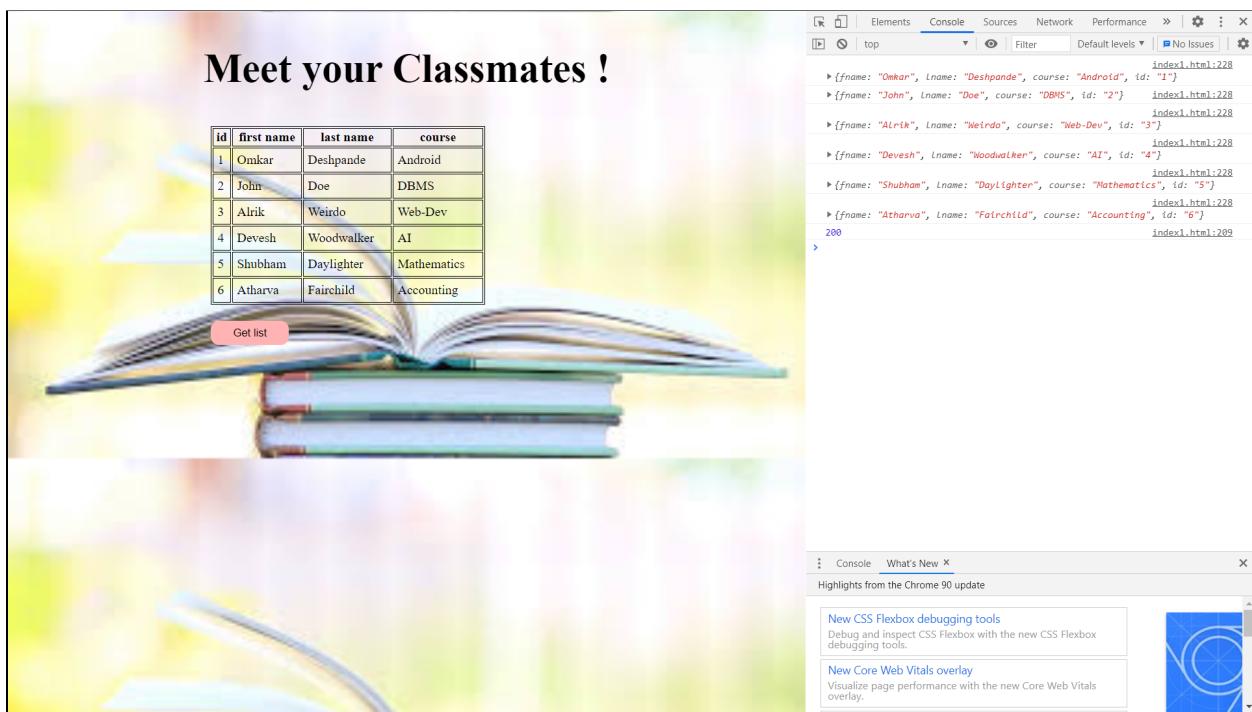
10. You can see the students list printed in server logs also.



The screenshot shows the Eclipse IDE interface with the 'Console' tab selected. The output window displays the logs from the Tomcat 9.0 Server. The logs show the startup of the server, including the configuration of Catalina, the loading of the StandardService, and the deployment of the application. The application's code, specifically the controller class, is visible in the logs, printing the student list to the console.

```
INFO: CATALINA_HOME: E:\tomcat\apache-tomcat-9.0.43
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dcatalina.base=C:\Users\Omkar\workspace\.metadata\.plugins\org.eclipse.wst.server.core\tmp0
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dcatalina.home=E:\tomcat\apache-tomcat-9.0.43
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dwtp.deploy=C:\Users\Omkar\workspace\.metadata\plugins\org.eclipse.wst.server.core\tmp0\wtpwebapps
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dfile.encoding=UTF-8
May 22, 2021 6:33:28 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -XX:+ShowCodeDetailsInExceptionMessages
May 22, 2021 6:33:28 PM org.apache.catalina.core.AprLifecycleEvent
INFO: The Apache Native Library which allows using OpenSSL was not found on the java.library.path: [C:\Users\Omkar\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v20201027-0507]\java\jvm\javaw.exe (May 22, 2021, 6:33:27 PM)
INFO: Initializing ProtocolHandler ["http-nio-8080"]
May 22, 2021 6:33:29 PM org.apache.coyote.AbstractProtocol init
INFO: Starting ProtocolHandler ["http-nio-8080"]
May 22, 2021 6:33:29 PM org.apache.catalina.startup.Catalina load
INFO: Server startup in [801] milliseconds
May 22, 2021 6:33:29 PM org.apache.catalina.core.StandardService startInternal
INFO: Starting service [Catalina]
May 22, 2021 6:33:29 PM org.apache.catalina.core.StandardEngine startInternal
INFO: Starting Servlet engine: [Apache Tomcat/9.0.43]
May 22, 2021 6:33:32 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JAR
May 22, 2021 6:33:32 PM org.apache.axis.configuration.EngineConfigurationFactoryServlet getServerEngineConfig
SEVERE: Unable to find config file. Creating new servlet engine config file: /WEB-INF/server-config.wsdd
May 22, 2021 6:33:32 PM org.apache.axis.AxisEngine initAxis
WARNING: Unable to find required classes (java.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
May 22, 2021 6:33:32 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JAR
May 22, 2021 6:33:35 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
May 22, 2021 6:33:35 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in [938] milliseconds
id=7709833124123456@ssd
id=7709833124123456@ssd
pass=123456@ssd
7709833124123456@ssdloading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading o
id=7709833124123456@ssd
id=7709833124
pass=123456@ssd
7709833124123456@ssd[{"fname": "Omkar", "lname": "Deshpande", "course": "Android", "id": 1}, {"fname": "John", "lname": "Doe", "course": "DBMS", "id": 2}, {"fname": "Alrik", "lname": "Weirdo", "course": "Web-Dev", "id": 3}, {"fname": "Devesh", "lname": "Woodwalker", "course": "AI", "id": 4}, {"fname": "Shubham", "lname": "Daylighter", "course": "Mathematics", "id": 5}, {"fname": "Atharva", "lname": "Fairchild", "course": "Accounting", "id": 6}]
```

11. You can see that list in browser console also.(with status 200 i.e. all OK)



The screenshot shows a web browser displaying a page titled 'Meet your Classmates !' with a table of student data. The browser's developer tools are open, specifically the 'Console' tab, which shows the JSON data being logged. The data matches the list displayed on the page.

id	first name	last name	course
1	Omkar	Deshpande	Android
2	John	Doe	DBMS
3	Alrik	Weirdo	Web-Dev
4	Devesh	Woodwalker	AI
5	Shubham	Daylighter	Mathematics
6	Atharva	Fairchild	Accounting

Console output:

```
> [{"fname": "Omkar", "lname": "Deshpande", "course": "Android", "id": "1"}]
> [{"fname": "John", "lname": "Doe", "course": "DBMS", "id": "2"}]
> [{"fname": "Alrik", "lname": "Weirdo", "course": "Web-Dev", "id": "3"}]
> [{"fname": "Devesh", "lname": "Woodwalker", "course": "AI", "id": "4"}]
> [{"fname": "Shubham", "lname": "Daylighter", "course": "Mathematics", "id": "5"}]
> [{"fname": "Atharva", "lname": "Fairchild", "course": "Accounting", "id": "6"}]
200
```

Chrome DevTools Console:

- New CSS Flexbox debugging tools
- New Core Web Vitals overlay

CODE : -

HelloResource.java

```
package net.codejava.ws;
import javax.ws.rs.Consumes;

//https://www.codejava.net/java-ee/web-services/java-restful-web-services-tutorial-for-beginne
r-with-jersey-and-tomcat
//https://www.youtube.com/watch?v=N1UzS9ojuUY&list=PLR2yPNIFMIL-dbPvTJtCYfE9TE6I
wcEDf&index=3
import javax.ws.rs.GET;

import javax.ws.rs.Path;
import javax.ws.rs.PathParam;
import javax.ws.rs.Produces;
import javax.ws.rs.core.*;

import org.glassfish.jersey.server.Uri;
import org.json.JSONArray;
import org.json.JSONObject;

import java.awt.List;
import java.sql.*;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.Map;

@Path("/authenticate")
public class HelloResource {

    @GET
    @Produces(MediaType.APPLICATION_JSON)
    public Response sayJsonHello(@PathParam("id") String id,@PathParam("pass") String
    pass,@Context UriInfo uriInfo) {
        try{
            JSONArray obj1 = new JSONArray();

            String temp = uriInfo.getRequestUri().getQuery();
            System.out.println(temp);

            String[] params = temp.split("&");
            Map<String, String> map = new HashMap<String, String>();

            for (String param : params) {
                String name = param.split("=")[0];
                String value = param.split("=")[1];
            }
        }
    }
}
```

```

        map.put(name, value);

        System.out.println(name+" "+value);
    }

    System.out.print(map.get("id")+map.get("pass"));

    String phone = map.get("id");
    String password = map.get("pass");

    Class.forName("com.mysql.jdbc.Driver");
    Connection con=DriverManager.getConnection(
    "jdbc:mysql://localhost:3306/assignment_login","root","123456");
    //here sonoo is database name, root is username and password
    Statement stmt=con.createStatement();
    ResultSet rs=stmt.executeQuery("select * from login where phone='"+phone+"'and
password='"+password+"'");
    if(rs.next())
    {

        HashMap<String, String> obj = new HashMap<String, String>();
        obj.put("ok", "yes");

        obj1.put(obj);

        con.close();

        return Response
            .status(200)
            .header("Access-Control-Allow-Origin", "*")
            .header("Access-Control-Allow-Headers", "origin, content-type, accept,
authorization")
            .header("Access-Control-Allow-Credentials", "true")
            .header("Access-Control-Allow-Methods", "GET, POST, PUT, DELETE,
OPTIONS, HEAD")
            .header("Access-Control-Max-Age", "1209600")
            .entity(obj)
            .build();

    }
    else
    {

        con.close();
        HashMap<String, String> obj = new HashMap<String, String>();
        obj.put("ok", "no");
    }
}

```

```

        return Response
            .status(201)
            .header("Access-Control-Allow-Origin", "*")
            .header("Access-Control-Allow-Headers", "origin, content-type,
accept, authorization")
            .header("Access-Control-Allow-Credentials", "true")
            .header("Access-Control-Allow-Methods", "GET, POST, PUT,
DELETE, OPTIONS, HEAD")
            .header("Access-Control-Max-Age", "1209600")
            .entity(obj)
            .build();
    }

}catch(Exception e){ System.out.println(e);

HashMap<String, String> obj = new HashMap<String, String>();
obj.put("ok", "no");
return Response
    .status(201)
    .header("Access-Control-Allow-Origin", "*")
    .header("Access-Control-Allow-Headers", "origin, content-type, accept,
authorization")
    .header("Access-Control-Allow-Credentials", "true")
    .header("Access-Control-Allow-Methods", "GET, POST, PUT, DELETE,
OPTIONS, HEAD")
    .header("Access-Control-Max-Age", "1209600")
    .entity(obj)
    .build();
}

}

@GET
@Path("/company")
@Produces(MediaType.APPLICATION_JSON)
public java.util.List<Map<String, String>> getlist() {

    java.util.List<Map<String, String>> mymap1 = new ArrayList<Map<String, String>>();

    try{
        java.util.List<Map<String, String>> mymap = new ArrayList<Map<String,
String>>();

        Map<String, String> obj1 = new HashMap<String, String>();

```

```

Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/login","root","");
Statement stmt=con.createStatement();
ResultSet rs=stmt.executeQuery("select * from company;");
while(rs.next())
{
    //JSONObject obj = new JSONObject();
    Map<String,String>obj=new HashMap<String,String>();

    System.out.println(obj);

    obj.put("name", rs.getString(2));
    obj.put("type", rs.getString(3));
    obj.put("ctc", String.valueOf(rs.getInt(4)));
    obj.put("location", rs.getString(5));

    mymap.add(obj);

    System.out.println(obj);
}
con.close();

System.out.println("here");
System.out.println(mymap);
return mymap;

}catch(Exception e){ System.out.println(e);
    JSONArray obj1 = new JSONArray();
    obj1.put(1,"failure");
}
JSONArray obj1 = new JSONArray();
obj1.put(1,"failure");
return mymap1;
}
}

```

Student.java

```
package net.codejava.ws;
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.HashMap;
import java.util.Map;
import java.util.*;

import javax.ws.rs.GET;
import javax.ws.rs.Path;
import javax.ws.rsPathParam;
import javax.ws.rs.Produces;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.MediaType;
import javax.ws.rs.core.*;

import org.json.JSONArray;
import org.json.JSONObject;

@Path("/student")
public class Student {

    @GET
    @Produces(MediaType.APPLICATION_JSON)
    public Response getlist() {

        try{

            List<HashMap<String, String>> obj1 = new ArrayList<HashMap<String,
String>>();

            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/assignment_login","root","123456");
            //here sonoo is database name, root is username and password
            Statement stmt=con.createStatement();
            ResultSet rs=stmt.executeQuery("select * from students;");
            while(rs.next())
            {

                HashMap<String, String> obj = new HashMap<>();

                obj.put("id", rs.getString(1));
                obj.put("fname", rs.getString(2));
                obj.put("lname", rs.getString(3));
                obj.put("course", rs.getString(4));
                obj1.add(obj);
            }
        }
    }
}
```

```

        con.close();
        System.out.println(obj1);
        return Response
            .status(200)
            .header("Access-Control-Allow-Origin", "*")
            .header("Access-Control-Allow-Headers", "origin, content-type, accept,
authorization")
            .header("Access-Control-Allow-Credentials", "true")
            .header("Access-Control-Allow-Methods", "GET, POST, PUT, DELETE,
OPTIONS, HEAD")
            .header("Access-Control-Max-Age", "1209600")
            .entity(obj1)
            .build();

    }catch(Exception e){ System.out.println(e);
    JSONArray obj1 = new JSONArray();
    obj1.put(1,"failure");

    }

    List<HashMap<String, String>> obj1 = new ArrayList<HashMap<String,
String>>();
    HashMap<String, String> obj = new HashMap<>();
    obj.put("status", "fail");
    obj1.add(obj);

    return Response
        .status(200)
        .header("Access-Control-Allow-Origin", "*")
        .header("Access-Control-Allow-Headers", "origin, content-type, accept,
authorization")
        .header("Access-Control-Allow-Credentials", "true")
        .header("Access-Control-Allow-Methods", "GET, POST, PUT, DELETE,
OPTIONS, HEAD")
        .header("Access-Control-Max-Age", "1209600")
        .entity(obj1)
        .build();

    }
}

```

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <script
      type="texxt/javascript"
      src="https://code.jquery.com/jquery-1.10.2.js"
    ></script>
    <script type="text/javascript" language="javascript"></script>
    <script
      src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min.js"></script>

    <title>Enrollment Form</title>
    <style type="text/css">
      table,
      th,
      td {
        border: 1px solid black;
      }
      input {
        width: 45%;
        margin-bottom: 20px;
        margin-top: 7px;
        background: transparent;
        border: none;
        color: black;
        border-bottom: 2px solid lightgreen;
      }

      input:hover {
        transition: 0.2s;
        border-bottom: 2px solid black;
      }

      button {
        width: 20%;
        background-color: #ffb3b3;
      }
    </style>
  </head>
  <body>
    <table border="1">
      <thead>
        <tr>
          <th>Question</th>
          <th>Answer</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>What is your name?</td>
          <td>
            <input type="text" name="name" value="John Doe" />
            <br/>
            <input type="button" value="Submit" />
          </td>
        </tr>
        <tr>
          <td>What is your age?</td>
          <td>
            <input type="text" name="age" value="30" />
            <br/>
            <input type="button" value="Submit" />
          </td>
        </tr>
        <tr>
          <td>What is your gender?</td>
          <td>
            <input type="radio" name="gender" value="Male" checked="" /> Male
            <input type="radio" name="gender" value="Female" /> Female
            <br/>
            <input type="button" value="Submit" />
          </td>
        </tr>
        <tr>
          <td>What is your favorite color?</td>
          <td>
            <input type="text" name="color" value="Red" />
            <br/>
            <input type="button" value="Submit" />
          </td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

```
color: black;
height: 30px;
border-radius: 10px;
border: none;
}

input[type="submit"] {
width: 20%;
background-color: #ffb3b3;
color: black;
height: 30px;
border-radius: 10px;
border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
-webkit-appearance: none;
margin: 0;
}

input[type="submit"]:hover {
background-color: green;
transition: 0.2s;
}

input[type="radio"] {
width: 5%;
}

select {
width: 20%;
padding-left: 8%;
}

label {
margin-top: 9px;
font-weight: bold;
font-size: 22px;
```

```
        color: black;
    }

    ::placeholder {
        color: black;
        opacity: 0.6;
    }

    input:focus,
    select:focus,
    textarea:focus,
    button:focus {
        outline: none;
    }

    input[title]:hover {
        font-style: italic;
        color: red;
    }

```

</style>

```
</head>
<style type="text/css">
    input {
        width: 45%;
        margin-bottom: 20px;
        margin-top: 7px;
        background: transparent;
        border: none;
        color: black;
        border-bottom: 2px solid lightgreen;
    }

    input:hover {
        transition: 0.2s;
        border-bottom: 2px solid black;
    }

    button {
        width: 20%;
```

```
background-color: #ffb3b3;
color: black;
height: 30px;
border-radius: 10px;
border: none;
}

input[type="submit"] {
width: 20%;
background-color: #ffb3b3;
color: black;
height: 30px;
border-radius: 10px;
border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
-webkit-appearance: none;
margin: 0;
}

input[type="submit"]:hover {
background-color: green;
transition: 0.2s;
}

input[type="radio"] {
width: 5%;
}

select {
width: 20%;
padding-left: 8%;
}

label {
margin-top: 9px;
font-weight: bold;
```

```
    font-size: 22px;
    color: black;
}

::placeholder {
    color: black;
    opacity: 0.6;
}

input:focus,
select:focus,
textarea:focus,
button:focus {
    outline: none;
}
</style>

<body style="background-image: url("./assets/bg4.jpg); background-size: cover">
<h2 style="color: black; font-size: 50px" align="center">
    Enter Your Details !
</h2>
<div style="margin-left: 25%; width: 50%">
    <div style="border: 2px solid black; padding: 20px">
        <label for="phone">Phone: </label><br />
        <input
            maxlength="20"
            ondblclick="return newfunc(this);"
            autocomplete="off"
            placeholder="Enter Phone *"
            type="text"
            id="phone"
            name="phone"
        /><br />

        <label for="password">Password : </label><br />
        <input
            maxlength="15"
            autocomplete="off"

```

```
placeholder="Enter password *"
type="password"
id="password"
name="pass"
/>><br />
</div>

<button
  class="prevbtn"
  style="margin-top: 20px"
  id="submitbtn"
  type="submit"
  name="submit"
>
  Submit
</button>
</div>

<script>
  document.getElementById("password").onkeyup = function () {
    var reg =
/^(*=. *[0-9]) (*=. [* !@#$%^&*] ) [a-zA-Z0-9!*@#$%^&*] {8,15}$/;

    if (reg.test(this.value) == false) {
      this.style.borderBottom = "2px solid red";
      //playAudio();
      return false;
    }
    this.style.borderBottom = "2px solid lightgreen";

    return true;
  };

  document.getElementById("phone").onkeyup = function () {
    var reg = /^\\d{10}$/;

    if (reg.test(this.value) == false) {
      this.style.borderBottom = "2px solid red";
      //playAudio();
    }
  };
</script>
```

```
        return false;
    }
    this.style.borderBottom = "2px solid lightgreen";
    return true;
};

document.getElementById("submitbtn").onclick = function () {
    if (document.getElementById("phone").value == "") {
        alert("Please insert phone !");
        return false;
    } else if (document.getElementById("password").value == "") {
        alert("Please insert password !");
        return false;
    }
    let url =
        "http://localhost:8080/HelloREST/rest/authenticate?id=" +
        document.getElementById("phone").value +
        "&pass=" +
        document.getElementById("password").value;

    $.ajax({
        url: url,
        type: "GET",
        dataType: "json",
        complete: function (data) {
            // var temp      = JSON.parse(data);
            console.log(data.status);
        },
        success: function (data) {
            if (data.ok == "yes") {
                window.location.href = "index2.html";
            } else {
                alert("Wrong Id or Password !");
                window.location.href = "";
            }
        },
        error: function () {
            console.log("error");
        },
    });
}
```

```
        } ) ;  
    } ;  
    </script>  
  </body>  
</html>
```

Index1.html

```
margin-top: 7px;
background: transparent;
border: none;
color: black;
border-bottom: 2px solid lightgreen;
}

input:hover {
    transition: 0.2s;
    border-bottom: 2px solid black;
}

button {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="submit"] {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
    -webkit-appearance: none;
    margin: 0;
}

input[type="submit"]:hover {
    background-color: green;
    transition: 0.2s;
```

```
}

input[type="radio"] {
    width: 5%;
}

select {
    width: 20%;
    padding-left: 8%;
}

label {
    margin-top: 9px;
    font-weight: bold;
    font-size: 22px;
    color: black;
}

::placeholder {
    color: black;
    opacity: 0.6;
}

input:focus,
select:focus,
textarea:focus,
button:focus {
    outline: none;
}

input[title]:hover {
    font-style: italic;
    color: red;
}

</style>
</head>
<style type="text/css">
    input {
        width: 45%;
```

```
margin-bottom: 20px;
margin-top: 7px;
background: transparent;
border: none;
color: black;
border-bottom: 2px solid lightgreen;
}

input:hover {
    transition: 0.2s;
    border-bottom: 2px solid black;
}

button {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="submit"] {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
    -webkit-appearance: none;
    margin: 0;
}

input[type="submit"]:hover {
    background-color: green;
```

```
        transition: 0.2s;
    }

input[type="radio"] {
    width: 5%;
}

select {
    width: 20%;
    padding-left: 8%;
}

label {
    margin-top: 9px;
    font-weight: bold;
    font-size: 22px;
    color: black;
}

::placeholder {
    color: black;
    opacity: 0.6;
}

input:focus,
select:focus,
textarea:focus,
button:focus {
    outline: none;
}
</style>

<body style="background-image: url(./assets/bg4.jpg); background-size: cover">
    <h2 style="color: black; font-size: 50px" align="center">
        Meet your Classmates !
    </h2>
    <div style="margin-left: 25%; width: 50%">
        <table id="mytable">
```

```

<th>id</th>
<th>first name</th>
<th>last name</th>
<th>course</th>
</table>

<button
    class="prevbtn"
    style="margin-top: 20px"
    id="submitbtn"
    type="submit"
    name="submit"
    >
    Get list
</button>
</div>

<script>
    document.getElementById("submitbtn").onclick = function () {
        let url = "http://localhost:8080/HelloREST/rest/student";

        $.ajax({
            url: url,
            type: "GET",
            dataType: "json",
            complete: function (data) {
                // var temp      = JSON.parse(data);
                console.log(data.status);
            },
            success: function (data) {
                var table = document.getElementById("mytable");
                for (var i = 0; i < data.length; i++) {
                    var obj = data[i];
                    var row = table.insertRow(-1);

                    // Insert new cells (<td> elements) at the 1st and 2nd
                    position of the "new" <tr> element:
                    var cell1 = row.insertCell(0);
                    var cell2 = row.insertCell(1);

```

```
var cell3 = row.insertCell(2);
var cell4 = row.insertCell(3);

// Add some text to the new cells:
cell1.innerHTML = obj.id;
cell2.innerHTML = obj.fname;
cell3.innerHTML = obj.lname;
cell4.innerHTML = obj.course;
console.log(obj);
}

document.getElementById("submitbtn").disabled = true;
},
error: function () {
    console.log("error");
},
});
};

</script>
</body>
</html>
```