```
login.html - Notepad
File
         Edit
                    View
                    rec username=uocument.rorms[ rogin_rorm ][ username ].varue,
let password=document.forms["login_form"]["password"].value;
                    console.log(username);
                    console.log(password);
                           alert('Username must be of atleast 6 characters.');
console.log('Username must be of atleast 6 characters.');
                           return false;
                    alert("Password.lengthk8){
    alert("Password must be of atleast 8 characters");
    console.log("Password must be of atleast 8 characters");
                    else if(!password.match('(?=.*[A-Z])')){
    alert("Password should conatin atleast one uppercase letter");
                           console.log("Password should conatin atleast one uppercase letter");
                    felse if(!password.match('(?=.*[a-z])')){
   alert("Password should conatin atleast one lowercase letter");
   console.log("Password should conatin atleast one lowercase letter");
                    else if(!password.match('(?=.*[0-9])')){
    alert("Password should conatin atleast one numeric");
                           console.log("Password should conatin atleast one numeric");
                    else if(!password.match('(?=.*[!@#$%^&*])')){
    alert("Password should conatin atleast one special symbol");
    console.log("Password should conatin atleast one special symbol");
                    else{
                           alert("login successful")
                           console.log("success")
                           return true
                    return false
       </script>
 </html>
```

```
register.html - Notepad
      Edit
             View
<!DOCTYPE html>
<html>
    <head>
         <link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
         <link href="https://fonts.googleapis.com/css2?family=Merriweather&display=swap" rel="stylesheet">
         <link href="login_registration_styles.css" rel="stylesheet">
         <style>
                  background-image: url("background.jpg");
         </style>
     </head>
     <body>
         <div style="margin-top: 5%;">
         <h2>Registration Page</h2>
         <form onsubmit="return check_register()" action="servlet/Register1" method="post" name="register_form" >
              <div class="grid-container">
                  <label class="label" for="fname">Username :</label>
<input class="label" type="text" name="username" value="John">
              </div>
             <input class="label" type="password" name="password" value="*****">
              <div class="grid-container">
                  <label class="label" for="lname">Confirm Password :</label>
                  <input class="label" type="password" name="confirm password" value="*****">
              </div>
              <div class="grid-container">
                  <label class="label" for="lname">Email-id :</label>
<input class="label" type="email" name="email_id" >
              </div>
             <div class="grid-container">
     <label class="label" for="lname">Mobile number :</label>
                  <input class="label" type="number" name="mobile_no" value="*****">
              <div class="grid-container">
                  <label class="label" for="lname">Date of birth :</label>
<inout class="label" type="date" name="doh" value="*****"\</pre>
```

```
register.html - Notepad
File
       Edit
                View
               </div>
               <div class="grid-container">
                    <label class="label" for="lname">Email-id :</label>
<input class="label" type="email" name="email_id" >
               </div>
               <div class="grid-container">
                     <label class="label" for="lname">Mobile number :</label>
                     <input class="label" type="number" name="mobile_no" value="*****">
                </div>
               <div class="grid-container">
                    <label class="label" for="lname">Date of birth :</label>
                     <input class="label" type="date" name="dob" value="*****">
               </div>
             <div class="buttons">
               <button class="button" type="submit">SUBMIT</button><br>
          </div>
          <h3>Already registered? <a href="login.html" style="color:rgb(58, 10, 17);">Login</a></h3></h3>
     </div>
     </body>
     <script>
          function check_register(){
               let username=document.forms["register_form"]["username"].value;
let password=document.forms["register_form"]["password"].value;
let confirm_password=document.forms["register_form"]["confirm_password"].value;
let email_id=document.forms["register_form"]["email_id"].value;
               let mobile_no=document.forms["register_form"]["mobile_no"].value;
               var email = /^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/;
               var numbers = /^[0-9]+$/;
               if(username.length<6){</pre>
                    alert('Username must be of atleast 6 characters.');
 Ln 1, Col 1
```

```
var numbers = /^[0-9]+$/;
      if(username.length<6){
            alert('Username must be of atleast 6 characters.');
console.log('Username must be of atleast 6 characters.');
            return false;
      else if(password.length<8){
            alert("Password must be of atleast 8 characters");
            console.log("Password must be of atleast 8 characters");
      else if(password!=confirm_password){
            alert("Confirm password must be the same of passsword");
            console.log("Confirm password must be the same of passsword");
     else if(!password.match('(?=.*[A-Z])')){
    alert("Password should conatin atleast one uppercase letter");
    console.log("Password should conatin atleast one uppercase letter");
     else if(!password.match('(?=.*[a-z])')){
    alert("Password should conatin atleast one lowercase letter");
    console.log("Password should conatin atleast one lowercase letter");
      else if(!password.match('(?=.*[0-9])')){
    alert("Password should conatin atleast one numeric");
            console.log("Password should conatin atleast one numeric");
     else if(!password.match('(?=.*[!@#$%~&*])')){
    alert("Password should conatin atleast one special symbol");
            console.log("Password should conatin atleast one special symbol");
      else if(!email_id.match(email)){
            alert("Enter valid Email id");
console.log("Enter valid Email id");
      else if(mobile_no.length!=10){
            alert("Mobile number must contain 10 digits");
console.log("Mobile number must contain 10 digits");
     else if(!mobile_no.match(numbers)){
    alert("Mobile number must contain only digits");
    console.log("Mobile number must contain only digits");
      else if(!mobile_no.charAt(0).match('(?=.*[6-9])')){
    alert("Mobile number must start with any number from 6-9");
    console.log("Mobile number must start with any number from 6-9");
            alert("Registration successful")
console.log("success")
            return true
return false
```

Register.html

```
forgot_password.html - Notepad
File
    Edit
         View
k!DOCTYPE html>
<html>
   <head>
      <link href="login_registration_styles.css" rel="stylesheet">
      <style>
         body{
            background-image: url("background.jpg");
      </style>
   </head>
   <body>
      <div style="margin-top: 5%;">
      <h2>Reset your password here</h2>
      <form method="post" action="../week_7_and_8/servlet/UpdatePassword1">
         <input class="label" type="text" id="fname" name="username" value="John">
         </div>
         <div class="grid-container">
            <label class="label" for="pass">New Password :</label>
            <input class="label" type="password" id="pass" name="password" value="*****">
         </div>
       <div class="buttons">
         <button class="button" type="submit" >Reset Password</button><br>
      </div>
   </form>
   </div>
   </body>
</html>
```

Web.xml

```
web.xml - Notepad
File
      Edit
            View
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.5"</pre>
      xmlns="http://java.sun.com/xml/ns/javaee"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
      http://java.sun.com/xml/ns/javaee/web-app 2 5.xsd">
  <servlet>
    <servlet-name>Register1/servlet-name>
    <servlet-class>Register1</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Register1</servlet-name>
    <url-pattern>/servlet/Register1</url-pattern>
  </servlet-mapping>
<servlet>
  <servlet-name>Login1</servlet-name>
    <servlet-class>Login1</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Login1</servlet-name>
    <url-pattern>/servlet/Login1</url-pattern>
  </servlet-mapping>
<servlet>
  <servlet-name>UpdatePassword1</servlet-name>
    <servlet-class>UpdatePassword1</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>UpdatePassword1</servlet-name>
    <url-pattern>/servlet/UpdatePassword1</url-pattern>
  </servlet-mapping>
  <welcome-file-list>
  <welcome-file>index.html</welcome-file>
    <welcome-file>register.html</welcome-file>
    <welcome-file>login.html</welcome-file>
    <welcome-file>forgot password.html</welcome-file>
  </welcome-file-list>
//wah-anns
```

Ln 1, Col 1

#### Register1.java

```
Register1.java - Notepad
File
          Edit
                    View
import java.io.*;
import java.sql.*;
import java.util.Date;
import javax.servlet.ServletException;
import java.text.SimpleDateFormat;
import javax.servlet.http.*;
import javax.swing.tree.ExpandVetoException;
public class Register1 extends HttpServlet {
public void doPost(HttpServletRequest request, HttpServletResponse response)
             throws ServletException, IOException {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String username=request.getParameter("username");
String password=request.getParameter("password");
String conf_password=request.getParameter("confirm_password");
String email_id=request.getParameter("email_id");
String mobile_no =request.getParameter("mobile_no");
String dob =request.getParameter("dob");
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/servlets_jsp","root","Firoza@22");
PreparedStatement ps=con.prepareStatement(
"insert into week_7_and_8 values(?,?,?,?,?,?)");
ps.setString(1,username);
ps.setString(2,password);
ps.setString(3,conf_password);
ps.setString(4,email_id);
ps.setString(5,mobile_no);
ps.setString(6, dob);
int i=ps.executeUpdate();
if(i>0) {
out.println("<script type=\"text/javascript\">");
  out.println("alert('Registration successful.. please login');");
  out.println("location='../login.html';");
   out.println("</script>");
else{
          out.print("You are unnsuccessfully registered...");
}catch (Exception e2) {
          out.print("You are unsuccessfully registered...");
          System.out.println(e2);}
out.close();
```

Updatepwd.java



# File Edit View

```
import java.io.*;
import java.sql.*;
import java.util.Date;
import javax.servlet.ServletException;
import java.text.SimpleDateFormat;
import javax.servlet.http.*;
import javax.servlet.RequestDispatcher;
import javax.swing.tree.ExpandVetoException;
public class UpdatePassword1 extends HttpServlet {
public void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String username=request.getParameter("username");
String password=request.getParameter("password");
String conf password=request.getParameter("conf pass");
Class.forName("com.mysql.cj.jdbc.Driver");
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/servlets_jsp","root","Firoza@22");
PreparedStatement ps=con.prepareStatement(
"update week_7_and_8 set password=?, conf_password=? where username=?");
ps.setString(1,password);
ps.setString(2,conf_password);
ps.setString(3,username);
int i=ps.executeUpdate();
if(i>0){
    String n=request.getParameter("username");
    out.println("<html><body><h1>");
    out.println("Welcome "+n);
    out.println("</html></body></h1>");
else{
    out.println("<script type=\"text/javascript\">");
   out.println("alert('Username or password incorrect');");
   out.println("location='../forgot password.html';");
    out.println("</script>");
}
} catch (Exception e2) {
        out.print("You are unsuccessfull change password...");
        System.out.println(e2);}
out.close();
}
```

# File Edit View

```
import java.io.*;
import java.sql.*;
import java.util.Date;
import javax.servlet.ServletException;
import java.text.SimpleDateFormat;
import javax.servlet.http.*;
import javax.servlet.RequestDispatcher;
import javax.swing.tree.ExpandVetoException;
public class Login1 extends HttpServlet {
public void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String username=request.getParameter("username");
String password=request.getParameter("password");
Class.forName("com.mysql.cj.jdbc.Driver");
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/servlets_jsp", "root", "Firoza@22");
PreparedStatement ps=con.prepareStatement(
"select * from week_7_and_8 where username=? and password=?");
ps.setString(1,username);
ps.setString(2,password);
ResultSet rs=ps.executeQuery();
if(rs.next()){
    String n=request.getParameter("username");
    out.println("<html><body><h1>");
    out.println("Welcome "+n);
    out.println("</html></body></h1>");
else{
    out.println("<script type=\"text/javascript\">");
   out.println("alert('Username or password incorrect');");
out.println("location='../login.html';");
   out.println("</script>");
}
} catch (Exception e2) {
         out.print("You are unsuccessfull login...");
         System.out.println(e2);}
out.close();
}
}
```

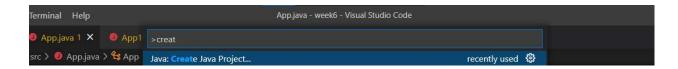
#### Jdbc

```
New Text Document.txt - Notepad
File
              Edit View
import java.sql.*;
import java.util.Scanner;
public class App {
    static Connection con;
    static String table_name;
    public static void create_table(String table_name) throws Exception{
        Statement static on.createStatement();
        st.executeUpdate("create table if not exists `"+table_name+"`( `id` numeric unique not null, `name` varchar(20) not null, `dept` varchar(20) not null);");
   }
}
        }
public static void display_values(String table_name) throws Exception{
    Statement st=con.createStatement();
                ry{
    ResultSet rs=st.executeQuery("select * from "+table_name);
    System.out.println("\nid name dept");
    while(rs.next()){
        System.out.println(rs.getInt(1)+" "+rs.getString(2)+"
    }
}
                                                                                                                                                        "+rs.getString(3));
               }
catch(Exception ex){
    System.out.println("\n"+ex.getMessage()+"\n");
        }
public static void insert_values(String table_name,int id,String name,String dept) throws Exception{
    String insert = "insert into`"+table_name,"` values(?,?,?)";
    PreparedStatement pst = con.prepareStatement(insert);
    pst.setString(2, name);
    pst.setString(2, name);
    pst.setString(3, dept);
    try{
        pst.executeUpdate();
        }catch(Exception ex){
            System.out.println(ex.getMessage());
     }
}
        }
public static void delete_values(String table_name,int id) throws Exception{
    Statement st=con.createStatement();
                 try{
    st.executeUpdate("delete from `"+table_name+"` where id = "+id);
                }
catch(Exception ex){
   System.out.println(ex.getMessage());
        }
public static void update_values(String table_name,int id,String name,String dept) throws Exception{
    Statement st=con.createStatement();
                try{
    st.executeUpdate("update "+table_name+" set name = \""+name+"\", dept = \""+dept+"\" where id = "+id);
                }
catch(Exception ex){
   System.out.println(ex.getMessage());
         public static void main(String[] args) throws Exception {
    Scanner sc=new Scanner(System.in);
                Class.forName("com.mysql.cj.jdbc.Driver");
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jdbc_mysql","root","Firoza@22");
while(true){
```

```
public static void main(String[] args) throws Exception {
   Scanner sc=new Scanner(System.in);
          Class.forName("com.mysql.cj.jdbc.Driver");
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jdbc_mysql","root","Firoza@22");
          System.out.println("\n\n1. Create table \n2. Display values \n3. Insert values \n4. Delete values \n5. Update values \n6. Exit\n");
System.out.println("Enter your choice");
          int ch=Integer.valueOf(sc.nextLine());
          switch(ch){
                           Fig.
System.out.println("Enter the table Name : ");
String table_name =sc.nextLine();
create_table(table_name);
                  f;oreax,
case 2:{
    System.out.println("Enter the table Name : ");
    String table_name = sc.nextLine();
    display_values(table_name);
                   };break;
case 3:{
                            System.out.printin( Enter name");
String name = sc.nextLine().trim();
System.out.println("Enter department");
String dept = sc.nextLine().trim();
insert_values(table_name,id,name,dept);
                   };oreak;
case 4:{
    System.out.println("Enter the table Name : ");
    String table_name = sc.nextLine().trim();
    System.out.println("Enter id that is to be deleted");
    int id = Integer.valueOf(sc.nextLine().trim());
    delete_values(table_name,id);
                   };break;
case 5:{
                           e 5:{
System.out.println("Enter the table Name : ");
table_name = sc.nextLine().trim();
System.out.println("Enter id that is to be updated");
int id = Integer.valueOf(sc.nextLine().trim());
System.out.println("Enter updated name");
String name = sc.nextLine().trim();
System.out.println("Enter updated department");
String dept = sc.nextLine().trim();
update_values(table_name,id,name,dept);
reak;
                  };break;
default:{System.exit(0);};
```

#### MySQL Installer:

- (1) Download MySQL Installer 8.0.28 from mysql.com downloads.
- (2) Next complete the installation process:
- (3) Install Extension Pack for Java in VS code
- (4) Open MySQL Workbench and create a database :
- (5) Open VS code and create a new java project in command palette :



Set the location and enter a name for the java project.

- (6) Add the jar file mysql-connector-java-8.0.28 to the Referenced libraries of JAVA PROJECTS:
- (7) Edit the code in src/App.java and run the program.

step!

Anstall maven from

https: \| maven apache. org | download. cgi

https: \| maven apache. org | download. cgi

Add bin path to eyetem variables of

Environment variables

(check it maven is installed/not min

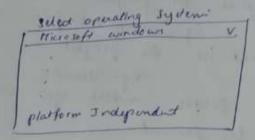
mvn -- version)

ustep 2. Download & install tomas from https: Il tomest apache org |download - 90.cg; Download torneat 9.0 for windows 32 bit/64 bit exe file Run the encurtable file of instalt someat java jok file path 4 unstall tomest ity select application. Apache Tomat 70 (5) starty type Hannal service status stopped Istant ( Istop) Town select starting type manual of start the application. Copy the path where tomeat in installed Search Environment variables in start menu. eleate a system variable named CATALINA-HOHE 4 copy the path as value (c:\Program files \Apache Software has path variable of system variables by adding men path. 1. CATALINA - HOME / \ bin > Make sure Tava is installed and JDK path in added an system variable named JAVA-140HE & also add the bin path in & System voriables. > Add was path of lib folder of torneat 9.0 as class path in system variables.

- Dpin Application in this diminer helips . Wednesdined . Richt open somest recen word for present t a partne. both of summed an installed of Collemny " maryger Add the delow device wealth for considering manager of admin ander & rede violename of " admin " gu " ) = 2 une anemanie - "gagathan" passacht - "1314, 4440 - Open tomal some an branger 1 open Managu app. eligie the assurance of paramothet exected. All the weliappe uneated are available have Open VSCELLE Install the below extensions. \* Delugger & jana \* Enternoon pack for jana + Java welling \* Java Deliggo. + Java language supplied + Java Run y Manus for Jona \* Hysal + Project Hanagu for Java of Red hat lannions 4 X MI Test Rumes

Click on settings search for create, javo project of Setteet 3 elect it Select Maven Select Haven- archtype- welropps -> Sucut latest version (14 > Inter group id for project Eg: com enample. - Imput antifact id for project Eg: demo. where you want your -> select the folder java project to be present. -> Haven dependencies will be installed f a Java - Haven project will be irreated. 600 to webapps folder present in Structure . - main - java - com - nim touget - wel appo - webint Pom-und. copy the files present in web app. -> Gro to webapps in tomat 9.0. Create a new folder of parte them Create a new folder named named classes in webInf folder. - Go to du mysql com/downloads/windows/ installer / 8.0. hml 4 Download MySQL Des

- Also, go to https: ( mysql. com) downloads/
- Click on Hys at Community (OIPE) Davidoads .
- -> select Connecter/5
- Select platform independent



- Download Tip file (HySQL-connector) -java)
- Extract the tip file
- -> Copy the inysq1 connector java 8-0-28'-jor' and parte it in lib folder of tomeat 9-0.

, Go to My SQL Work lench.

Create a Schema.

wreate scheme week 7;

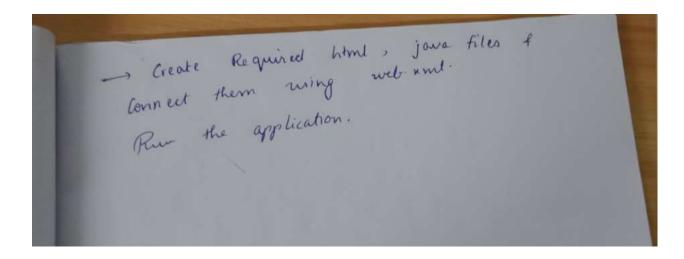
Create a tolk with all veguired.

create take Servetes (Name varchar (255),

password varchar (255), Confparsword varchar(255)

email varchar (256), phone varchar (255),

dob date varchar (256), address varchar (256).



## **Program:**

#### XML file:

```
<?xml version="1.0" ?>
<!--<?xml-stylesheet type="text/xsl" href="week5 1.xsl"?> -->
<?xml-stylesheet type="text/css" href="week5.css"?>
<!DOCTYPE class SYSTEM "week5.dtd">
<class>
<teaching clg="A">
<name>T1</name><id>101</id><dept>CSE</dept>
</teaching>
<teaching clg="B">
<name>T2</name><id>102</id><dept>CSE</dept>
</teaching>
<teaching clg="C">
<name>T3</name><id>104</id><dept>ECE</dept>
</teaching>
<non teaching clg="A">
<name>NT1</name><id>111</id>
</non teaching>
<non teaching clg="B">
<name>NT2</name><id>112</id>
</non teaching>
<non teaching clg="C">
<name>NT3</name><id>113</id>
</non teaching>
<student clg="A">
<name>S1</name><rollno>1</rollno><dept>ECE</dept>
</student>
<student clg="B">
<name>S2</name><rollno>2</rollno><dept>CSE</dept>
```

```
</student>
<student clg="C">
<name>S3</name><rollno>3</rollno><dept>ECE</dept>
</student>
</class>
```

#### CSS file: week5.css

```
class
{
background-color: pink;
}
teaching,non_teaching,student
{
font-size:25px;
display:block;
color: blue;
margin-left: 50px;
}
```

# Output:

T1101CSE
T2102CSE
T3104ECE
NT1111
NT2112
NT3113
S11ECE
S22CSE
S33ECE

# XML document validating against DTD:

# DTD file: week5.dtd

```
<!ELEMENT class (teaching+,non_teaching+,student+)>
<!ELEMENT teaching (name,id,dept)>
<!ATTLIST teaching clg CDATA #REQUIRED>
<!ELEMENT non_teaching (name,id)>
<!ATTLIST non_teaching clg CDATA #REQUIRED>
```

```
<!ELEMENT student (name,rollno,dept)>
<!ATTLIST student clg CDATA #REQUIRED>
<!ELEMENT name (#PCDATA)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT rollno (#PCDATA)>
<!ELEMENT dept (#PCDATA)>
```

#### Output:

#### No errors were found

The following files have been uploaded so far:

XML document:

week5.dtd 6

Click on any file name if you want to edit the file.

# XML document validating against Schema:

# XSD file: week5.xsd

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"</pre>
xmlns="http://www.javatpoint.com"
elementFormDefault="qualified">
<xs:element name="class">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="teaching" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
        <xs:element name="name" type="xs:string"/>
        <xs:element name="id" type="xs:integer"/>
        <xs:element name="dept" type="xs:string"/>
        </xs:sequence>
        <xs:attribute name="clg" type="xs:string"/>
        </xs:complexType>
    </xs:element>
      <xs:element name="non_teaching" maxOccurs="unbounded">
      <xs:complexType>
```

```
<xs:sequence>
        <xs:element name="name" type="xs:string"/>
        <xs:element name="id" type="xs:integer"/>
        </xs:sequence>
        <xs:attribute name="clg" type="xs:string"/>
        </xs:complexType>
    </xs:element>
      <xs:element name="student" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
        <xs:element name="name" type="xs:string"/>
        <xs:element name="rollno" type="xs:integer"/>
        <xs:element name="dept" type="xs:string"/>
        </xs:sequence>
        <xs:attribute name="clg" type="xs:string"/>
        </xs:complexType>
    </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>
```

### Output:

#### No errors were found

The following files have been uploaded so far:

XML document: 8

XML schema: 8

Click on any file name if you want to edit the file.

# Displaying contents of XML document in a table using XSL:

# XSL file: week5\_1.xsl

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
   <html>
   <body>
<!--Teaching-->
   <h2>Teaching</h2>
```

```
College
   Name
   id
   Dept
  <xsl:for-each select="class/teaching">
   <xsl:value-of select="@clq"/> 
   <xsl:value-of select="name"/>
   <xsl:value-of select="id"/>
   <xsl:choose>
     <xsl:when test="dept='CSE'">
      <xsl:value-of select="dept"/>
     </xsl:when>
     <xsl:otherwise>
      <xsl:value-of select="dept"/>
     </xsl:otherwise>
   </xsl:choose>
  </xsl:for-each>
 <!-- Non Teaching -->
 <h2>Non Teaching</h2>
 College
   Name
   id
  <xsl:for-each select="class/non teaching">
   <xsl:value-of select="@clg"/> 
   <xsl:value-of select="name"/>
   <xsl:value-of select="id"/>
  </xsl:for-each>
 <!-- Student -->
 <h2>Student</h2>
 College
```

```
Name
    Roll no
    Dept
   <xsl:for-each select="class/student">
    <xsl:value-of select="@clq"/> 
    <xsl:value-of select="name"/>
    <xsl:value-of select="rollno"/>
    <xsl:choose>
      <xsl:when test="dept='CSE'">
       <xsl:value-of select="dept"/>
      </xsl:when>
      <xsl:otherwise>
       <xsl:value-of select="dept"/>
      </xsl:otherwise>
    </xsl:choose>
   </xsl:for-each>
 <h4>CSE - blue color</h4>
 <h4>ECE - pink color</h4>
 </body>
 </html>
</xsl:template>
</xsl:stylesheet>
```

# Output:

# **Teaching**

College	Name	id	Dept
A	T1	101	CSE
В	T2	102	CSE
C	T3	104	ECE

# **Non Teaching**

College	Name	id
A	NT1	111
В	NT2	112
С	NT3	113

# Student

College	Name	Roll no	Dept
A	S1	1	ECE
В	S2	2	CSE
С	S3	3	ECE

```
CSE - blue color
```

```
ECE - pink color
```

```
login .html js
<!DOCTYPE html>
<html>
<head>
       <link rel="stylesheet" href="all.css">
</head>
<body>
       <div class="register">
              <label>Name</label>
              <input id="username" placeholder="Enter Name" />
              <label>Password</label>
              <input type="password" id="password" placeholder="Enter Password" />
              <button onclick=validate()> Submit </button>
              >Don't have an account?<a href="register.html">Sign Up</a> 
              Forgot Password? <a href="forgot.html">Click here</a> 
      </div>
       <script>
             function validate() {
                    let username = document.getElementById('username').value
```

```
let password = document.getElementById('password').value
                      let i=0;
                      let j=0;
                      let k=0;
                      for (let index = 0; index < password.length; index++) {
                             var element = password[index];
                             if(element_charCodeAt(0)>=65 && element_charCodeAt(0)<=90){
                             }
                             if(element.charCodeAt(0)>=58 && element.charCodeAt(0)<=64){
                             }
                             if(element.charCodeAt(0)>=48 && element.charCodeAt(0)<=57){
                                    i=1
                             }
                      }
                      if(username.length<6){
                             alert("username length is not sufficient")
                             location.reload()
                      }
                      else if(password.length<8){
                             alert("password length is not sufficient")
                             location.reload()
                      }
                      else if(j==0){
                             alert("Password must have a capital letter")
                             location.reload()
                      }
                      else if(k==0){
                             alert("Password must have a special symbol")
                             location.reload()
                      }
                      else if(i==0){
                             alert("Password must have a number")
                             location.reload()
                      }
       </script>
</body>
</html>
Register html js
<!DOCTYPE html>
```

```
<html>
<head>
       <link rel="stylesheet" href="all.css">
</head>
<body>
       <div class="register">
              <a href="mailto:label"><a href="mailto:label">| abel</a> | abel</a>
              <input id="username" placeholder="Enter Name" />
              <label>Password</label>
              <input type="password" id="password" placeholder="Enter Password" />
              <label>Confirm Password/label>
              <input type="password" id="confirmpassword" placeholder="Enter Password
Again" />
              <label >Email</label>
              <input id="email" placeholder="Enter email" />
              <label > Mobile Number < /label >
              <input id="mobile" placeholder="Enter mobile number" />
              <label>DOB</label>
              <input type="date" placeholder="Enter Date of Birth" />
              <label>Address</label>
              <textarea placeholder="Enter Address"></textarea>
              <label>Gender</label>
              <select>
                     <option>Male
                     <option>Female
                     <option>Others
              </select>
              <button onclick=validate()> Submit </button>
              Already have an account?<a href="login.html">Log in</a> 
       </div>
       <script>
              function validate() {
                     let username = document.getElementById('username').value
                     let password = document.getElementById('password').value
                     let confirmpassword =
document.getElementById('confirmpassword').value
                     let email = document.getElementById('email').value
                     let mobile = document.getElementById('mobile').value
                     let i=0;
                     let i=0;
                     let k=0:
                     for (let index = 0; index < password.length; index++) {
                             var element = password[index];
                             if(element.charCodeAt(0)>=65 && element.charCodeAt(0)<=90){
```

```
j=1
       }
       if(element.charCodeAt(0)>=58 && element.charCodeAt(0)<=64){
              k=1
       }
       if(element.charCodeAt(0)>=48 && element.charCodeAt(0)<=57){
       }
}
if(username.length<6){
       alert("username length is not sufficient")
       location.reload()
}
else if(password.length<8){
       alert("password length is not sufficient")
       location.reload()
}
else if(j==0){
       alert("Password should must have a capital letter")
       location.reload()
}
else if(k==0){
       alert("Password should must have a special symbol")
       location.reload()
}
else if(i==0){
       alert("Password should must have a number")
       location.reload()
}
else if(password!=confirmpassword){
       alert("Passwords doesn't match")
       location.reload()
}
else if(!email.includes("@gmail.com")){
       alert("Enter correct email")
       location.reload()
}
else if(!(mobile.charCodeAt(0)>=54 && mobile.charCodeAt(0)<=57)){
       alert("Enter correct number")
       location.reload()
}
else if(mobile.length!=10){
       alert("Longer/shorter Number is given")
       location.reload()
```

```
}
       </script>
</body>
</html>
Home:
<!DOCTYPE html>
<html>
<head>
       <title>Home page</title>
</head>
 <frameset rows="20%,80%">
       <frame src="frame1.html">
       <frameset cols="10%,90%">
         <frame src="frame2.html">
         <frame src="frame3.html" name="right">
    </frameset>
 </frameset>
</html>
Frame1:
<!DOCTYPE html>
<html>
<head>
 <style>
  h1{
   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
   font-size: 40px;
  }
  img{
   padding-top: 10px;
  body{
   background-color:aqua;
 </style>
</head>
<body>
 <div style="display:flex">
  <img style="padding-left:100px" src="R.jfif" width="100" height="100">
  <h1 style="padding-left:70px">Gayatri Vidya Parishad College of
Engineering(Autonomous)</h1>
```

```
</div>
</body>
</html>
Frame2:
<!DOCTYPE html>
<html>
<head>
       <style>
              a{
                     text-decoration: none;
                     font-family:Georgia, 'Times New Roman', Times, serif;
                     color: black;
                     font-size: 25px;
                     padding-bottom: 20px;
                     padding-top: 20px;
       </style>
</head>
<body style ="background-color:tomato; display:grid;">
       <a href="login.html" target="right">Login</a>
       <a href="register.html" target="right">Register</a>
       <a href="contact.html" target="right">Contact Us</a>
</body>
</html>
FRAME-3:
<!DOCTYPE html>
<html>
<head>
</head>
<marquee style="background-color:blueviolet" width="100%" height="100%" direction="left"</pre>
scrollamount=20>
  <img src="pic.jpg" width="1360px" height="590px">
</marquee>
</html>
FORGOT:
<!DOCTYPE html>
<html>
<head>
       <link rel="stylesheet" href="all.css">
</head>
```