

Registration using JSP + Servlet + JDBC + MySQL Database

Register.java

```
package in.sp.backend;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

@WebServlet("/regFrom")
public class Register extends HttpServlet
{
    protected void doPost(HttpServletRequest req,HttpServletResponse
res)throws ServletException,IOException
    {

        PrintWriter out=res.getWriter();

        String myname=req.getParameter("name1");
```

```
String myemail=req.getParameter("email1");
String mypass=req.getParameter("pass1");
String mygender=req.getParameter("gender1");
String city=req.getParameter("city1");

try
{
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/yt_demo","root","r
oot");

    PreparedStatement ps=con.prepareStatement("insert into
register values(?,?,?,?,?)");

    ps.setString(1,myname);
    ps.setString(2,myemail);
    ps.setString(3,mypass);
    ps.setString(4,mygender);
    ps.setString(5,city);

    int count=ps.executeUpdate();
    if(count>0)
    {
        res.setContentType("text/html");
        out.print("<h3 style='color:green'>User Registered
Successfully...!! </h3>");
```

```
        RequestDispatcher
rd=req.getRequestDispatcher("/register.jsp");
        rd.include(req,res);
    }
    else
    {

        res.setContentType("text/html");
        out.print("<h3 style='color:red'>User Not
Registered due to some error...!! </h3>");
```

```
        RequestDispatcher
rd=req.getRequestDispatcher("/register.jsp");
        rd.include(req,res);
    }
}
catch(Exception e)
{
    e.printStackTrace();

    res.setContentType("text/html");
    out.print("<h3 style='color:red'>Exception
occured:"+e.getMessage()+"</h3>");
```

```
        RequestDispatcher
rd=req.getRequestDispatcher("/register.jsp");
        rd.include(req,res);
    }
```

```
}  
  
}
```

Register.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"  
    pageEncoding="ISO-8859-1"%>  
<!DOCTYPE html>  
<html>  
<head>  
<meta charset="ISO-8859-1">  
<title>Insert title here</title>  
</head>  
<body>  
    <form action="regFrom" method="post">  
        Name :<input type="text" name="name1"><br><br>  
        Email :<input type="text" name="email1"><br><br>  
        Password :<input type="password" name="pass1"><br><br>  
        Gender :<input type="radio" name="gender1" value="Male">  
        Male<input type="radio" name="gender1">Female<input type="radio"  
        name="gender2"><br><br>  
        City:<select name="city1">  
            <option>Select City</option>  
            <option>Delhi</option>  
            <option>Mumbai</option>  
            <option>pune</option>  
            <option>Bengoler</option>  
        </select><br><br>
```

`<input type="submit" value="Register">`

`</form>`

`</body>`

`</html>`

User Registered Successfully...!!

Name :

Email :

Password :

Gender : ☐ Male ☐ Female ☐

City:

```
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.40 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database yt_demo;
Query OK, 1 row affected (0.16 sec)

mysql> use yt_demo;
Database changed
mysql> create table register (name varchar(100),email varchar(100),password varchar(100),gender varchar(100),city varchar(100));
Query OK, 0 rows affected (0.19 sec)

mysql> desc register
-> desc register;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'desc register' at line 2
mysql> desc register;
```

```
mysql> desc register
-> desc register;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'desc register' at line 2
mysql> desc register;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(100) | YES | | NULL | |
| email | varchar(100) | YES | | NULL | |
| password | varchar(100) | YES | | NULL | |
| gender | varchar(100) | YES | | NULL | |
| city  | varchar(100) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.09 sec)

mysql> select *from register;
Empty set (0.02 sec)

mysql> select *from register;
+-----+-----+-----+-----+-----+-----+
| name | email | password | gender | city |
+-----+-----+-----+-----+-----+-----+
| karan | mohitekaran18@gmail.com | karan1213 | Male | Delhi |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select *from register;
+-----+-----+-----+-----+-----+
| name | email | password | gender | city |
+-----+-----+-----+-----+-----+
| karan | mohitekaran18@gmail.com | karan1213 | Male | Delhi |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select *from register;
+-----+-----+-----+-----+-----+-----+
| name | email | password | gender | city |
+-----+-----+-----+-----+-----+-----+
| karan | mohitekaran18@gmail.com | karan1213 | Male | Delhi |
| vishal jadhav | vishal@123gmail.com | Vishal1123 | Male | pune |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select *from register;
+-----+-----+-----+-----+-----+-----+
| name | email | password | gender | city |
+-----+-----+-----+-----+-----+-----+
| karan | mohitekaran18@gmail.com | karan1213 | Male | Delhi |
| vishal jadhav | vishal@123gmail.com | Vishal1123 | Male | pune |
| pranjali Chavan | pranjali123@gmail.com | pranjali123 | on | pune |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Note:Add mysql-connector-java-8.0.11. File in lib file and Reference libraries.