

## **“Experiment 9”**

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Semester: **5**

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Subject Code: **20CSP-321**

### **Aim:**

Create a Servlet/ application with a facility to print any message on web browser.

### **Minimum Hardware Requirements:**

- 2 GHz CPU or 1 virtual CPU in virtualized environments.
- 1 GB of RAM.
- 4 GB of storage.

### **Minimum Software Requirements:**

Software	Version
<ul style="list-style-type: none"><li>• OS</li></ul>	<ul style="list-style-type: none"><li>• Mac OS 10.15, HP-UX 11i V3, AIX 7.2, Windows Server 2019, Windows 10, Solaris 11.3, Red Hat Enterprise Linux 8.1, Ubuntu Server 20.04</li></ul>
<ul style="list-style-type: none"><li>• JDK</li></ul>	<ul style="list-style-type: none"><li>• JDK 1.8.0, JDK 11, Eclipse IDE, Net, NetBeans 8.2</li></ul>
<ul style="list-style-type: none"><li>• Server</li></ul>	<ul style="list-style-type: none"><li>• Apache tomcat, Glassfish server, WebLogic server, web sphere, Jbos server</li></ul>

## **Source Code:**

// Save: Register.java

```
import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;

import java.sql.*;

public class Register extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        response.setContentType("text/html;charset=ISO-8859-1");

        PrintWriter out = response.getWriter();

        String n = request.getParameter("name");

        String s = request.getParameter("uid");

        try {

            Class.forName("com.mysql.jdbc.Driver");

            Connection con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/shivam", "root", "shivam!6404");

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

            ps.setString(1, n);

            ps.setString(2, s);

            int i = ps.executeUpdate();

            if (i > 0)

                out.print("You are Successfully registered...." + n);

            out.print("Your uid is:" + s);

        }

        catch (Exception e2) {

            out.print(e2);

            System.out.println(e2);

        }

    }

}
```

```
}  
out.close();  
}  
}
```

```
<! ---- index.html --- >  
  
<html>  
<head>  
<title>Register form</title></head>  
<body>  
<form method="post" action="Register">  
Name:<input type="text" name="name" /><br/>  
UID:<input type="text" name="uid" /><br/>  
Password:<input type="password" name="pass" /><br/>  
<input type="submit" value="register" />  
</form>  
</body>  
</html>
```

```
<!--web.xml-->  
  
<? xml version="1.0" encoding="UTF-8"?>  
  
<web-app  
xmlns:xsi="http://www.w3.org/2001/XMLSchemaInstance"xmlns="http://java.sun.com/xml  
/ns/j  
avaee" xsi:schemaLocation="http://java.sun.co  
m/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" version="2.5">  
<servlet>  
<servlet-name>Register</servlet-name>  
<servlet-class>Register</servlet-class>
```

```
</servlet>
<servlet-mapping>
<servlet-name>Register</servlet-name>
<url-pattern>/Register</url-pattern>
</servlet-mapping>
<welcome-file-list>
<welcome-file>index.html</welcome-file>
</welcome-file-list>
</web-app>
```

## Output:

