

A3 – TOMCAT SERVER & SERVLET

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HTML Code:

```
<!DOCTYPE html>
<html>
<head>
    <title>Simple Servlet Program</title>
    <meta charset="utf-8">
    <link rel="stylesheet" href="styles.css">
</head>

<body>
    <h1>Welcome to Tomcat Servlet!</h1>
    <hr><br>
    <form action="servlet/Register" method="GET"
    action="echo">
        <input type="text" name="uname"
        placeholder="John Doe"><br><br>
        <input type="email" name="email"
        placeholder="johndoe@example.com"><br><br>
        <br><br>
        <input type="submit" value="Register">
        <input type="reset" value="Clear">
    </form>
</body>
</html>
```

Java Code:

```
import java.io.*;
import javax.servlet.ServletException;
import javax.servlet.*;
import javax.servlet.http.*;

public class Register extends HttpServlet{
    public void doGet(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException{

        response.setContentType("text/html;charset=UTF-8");

        PrintWriter out = response.getWriter();

        try{
            String uname= request.getParameter("uname").trim();
            String email= request.getParameter("email").trim();
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head><title>Details  
Obtained</title></head>");
            out.println("<body style='background-color: azure;'><h1  
style='text-align: center;'>User Details</h1>");
            out.println("<table style='border: 2px solid  
black;'><tr><th>Name</th><td>" + uname + "</td></  
tr><tr><th>Email</th><td>" + email +  
"</td></tr></table>");
            out.println("</body></html>");
        }
        finally{
            out.close();
        }
    }
}
```

CSS Code:

```
body{
    background-color: azure;
}

*{
    font-size: 20px;
    font-family: "Times New Roman", Times, serif;
}

h1{
    font-size: 35px;
    text-align: center;
    color: blue;
}

table, td, th, tr{
    border: 2px solid black;
    text-align: center;
    width: 75%;
    border-collapse: collapse;
}
```

Web XML:

```
<web-app>
  <servlet>
    <servlet-name>Register</servlet-name>
    <servlet-class>Register</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>Register</servlet-name>
    <url-pattern>/servlet/Register</url-pattern>
  </servlet-mapping>

  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
  </welcome-file-list>
</web-app>
```

Output:

Welcome to Tomcat Servlet!

Raymond Holt

rayholt@nypd.us.gov

Register

Clear

User Details

Name Raymond Holt

Email rayholt@nypd.us.gov

URL on Submit:

http://localhost:8080/servlet/servlet/Register?
uname=Raymond+Holt&email=rayholt%40nypd.us.gov