

## Assignment 3

### Tomcat server- Installation and server deployment

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**Done By:**

**B.Vignesh    CSE 6C    185001193**

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**Aim:** To Install JDK, Tomcat server. Deploy a servlet program.  
Write the servlet program to read username, email-id. Transmit it to the server. The server displays a table for username and email.

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#### Program Code:

##### GetServlet.java:

```
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
public class GetServlet extends HttpServlet {
    public void doGet(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException {
        String username = request.getParameter("username");
        String email = request.getParameter("email");
        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();
        pw.println("<h1>Form response:</h1>");
        pw.println("<table style='border-collapse: collapse;
border: 2px solid black'>");
        pw.println("<tr>");
        pw.println("<th style='border: 2px solid black'>Email:
</th>");
        pw.println("<td style='border: 2px solid black'>" +
email + "</td>");
        pw.println("</tr>");
        pw.println("<tr>");
```

```

                pw.println("<th style='border: 2px solid
black'>Username: </th>");
                pw.println("<td style='border: 2px solid black'>" +
username + "</td>");
                pw.println("</tr>");
                pw.println("</table>");
                pw.close();
            }
    }

```

## Index.html:

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Backend Programming</title>
</head>

<body>
    <form name="Form1"
action="http://localhost:8080/project1/GetMtd">
        <label for="username">User name:</label><br />
        <input type="text" id="username" name="username" /><br />
        <label for="email">e-mail:</label><br />
        <input type="text" id="email" name="email" /><br /><br />
        <input type="submit" value="Submit" />
    </form>
</body>

</html>

```

## Web.xml:

```

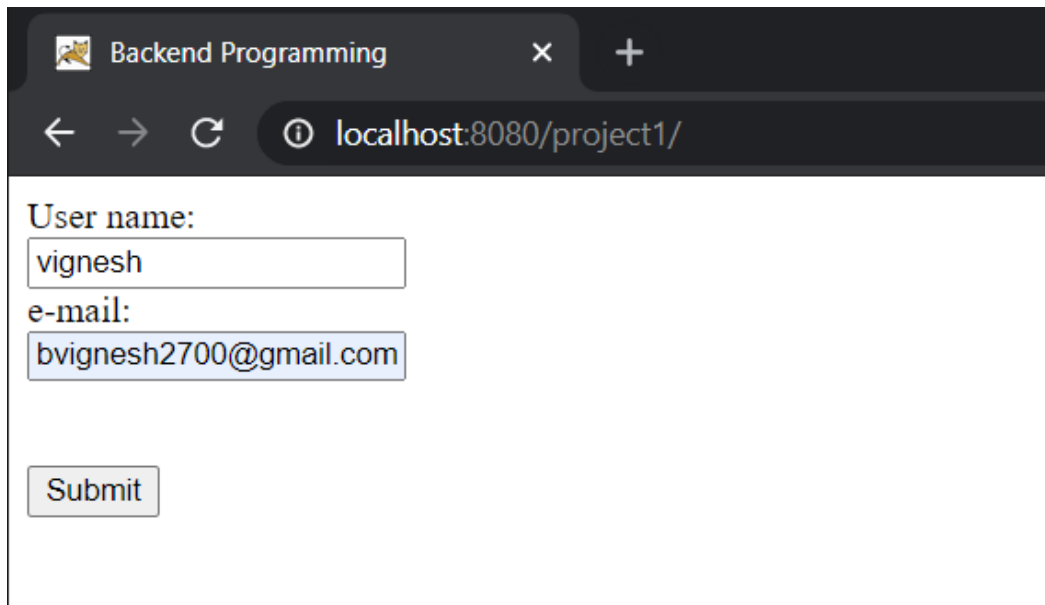
<web-app>
<servlet>
<servlet-name>GetMtd</servlet-name>
<servlet-class>GetServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>GetMtd</servlet-name>
<url-pattern>/GetMtd</url-pattern>

```

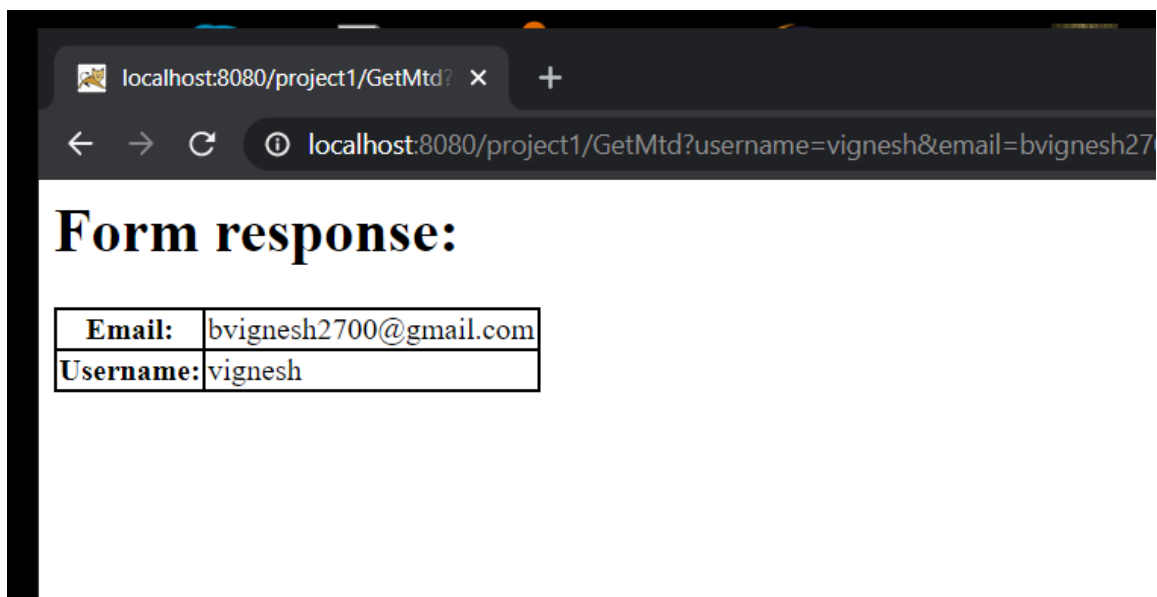
```
</servlet-mapping>
</web-app>
```

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## Output Snapshot:



A screenshot of a web browser window. The tab is titled "Backend Programming". The address bar shows "localhost:8080/project1/". The page content includes a form with two input fields: "User name:" with the value "vignesh" and "e-mail:" with the value "bvignesh2700@gmail.com". Below the fields is a "Submit" button.



A screenshot of a web browser window showing the response after submitting the form. The address bar shows "localhost:8080/project1/GetMtd?username=vignesh&email=bvignesh2700@gmail.com". The page content displays the heading "Form response:" followed by a table showing the submitted data.

Email:	bvignesh2700@gmail.com
Username:	vignesh

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