Create a servlet that receives user input from an HTML form and displays it back to the user.

## Steps:

- 1. Create an HTML form to collect the user's name.
- 2. Create a Servlet (GetUserInputServlet) to handle the form submission and display the user's name.

## HTML Form (index.html):

```
<html>
<head>
<title>TODO supply a title</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body bgcolor ="#ffbf00">
<div><h1><center>User input</center></h1></div>
<form action="getUserInput12" method="POST">
<h3> Name </h3><input type="text" name="un"</tr>
<input type ="submit" value="save"</td>
</form>
<hr>
<h1>Calculate</h1>
<form action="CalculateSumServlet"method="post">
```

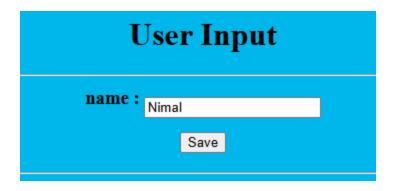
```
Second Number: <input type="number" name="num2" required><br>
<input type="submit" value="Calculate Sum">
</form>
</form>
</body>
</html>
(getUserInput.java)
importjava.io.IOException; importjava.io.PrintWriter;
importjavax.servlet.ServletException;
importjavax.servlet.annotation.WebServlet;
importjavax.servlet.http.HttpServlet;
importjavax.servlet.http.HttpServletRequest;
importjavax.servlet.http.HttpServletResponse;
* @author student
*/
@WebServlet(urlPatterns = {"/getUserInput"}) public
class getUserInput12 extends HttpServlet {
 /**
* Processes requests for both HTTP <code>GET</code> and <code>POST</code>
* methods.
* @param request servlet request
```

First Number:<input type="number" name="num1" required><br>

```
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
  */
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throwsServletException, IOException {
                                         String name = request.getParameter("un");
response.setContentType("text/html;charset=UTF-8"); try (PrintWriter out =
response.getWriter()) {
      /* TODO output your page here. You may use following sample code. */
out.println("<!DOCTYPE html>"); out.println("<html>"); out.println("<head>");
out.println("<title>Servlet getUserInput12</title>");
out.println("</head>"); out.println("<body>"); out.println("<h1> Input name "
+ name + "</h1>"); out.println("</body>"); out.println("</html>");
    }
  }
 // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to
edit the code.">
 /**
* Handles the HTTP <code>GET</code> method.
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
  */
  @Override protected void doGet(HttpServletRequest request,
HttpServletResponse response) throwsServletException, IOException {
processRequest(request, response);
```

\* @param response servlet response

```
}
* Handles the HTTP <code>POST</code> method.
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
   */
  @Override protected void doPost(HttpServletRequest request,
HttpServletResponse response) throwsServletException, IOException {
processRequest(request, response);
  }
  /**
* Returns a short description of the servlet.
* @return a String containing servlet description
   */
  @Override public String
getServletInfo() { return
"Short description";
  }// </editor-fold>
}
```



## input name: Nimal

```
importjava.io.IOException; importjava.io.PrintWriter;
importjavax.servlet.ServletException;
importjavax.servlet.annotation.WebServlet;
importjavax.servlet.http.HttpServletRequest;
importjavax.servlet.http.HttpServletRequest;
importjavax.servlet.http.HttpServletResponse;

/**

* @author student

*/
@WebServlet(urlPatterns = {"/CalculateSumServlet"}) public
class CalculateSumServlet extends HttpServlet {

    /**

* Processes requests for both HTTP <code>GET</code> and <code>POST</code>

* methods.
```

```
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
  */
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throwsServletException, IOException { int num1 =
Integer.parseInt(request.getParameter("num1")); int num2 =
Integer.parseInt(request.getParameter("num2")); int sum = num1 + num2;
response.setContentType("text/html;charset=UTF-8"); try (PrintWriter out =
response.getWriter()) {
      /* TODO output your page here. You may use following sample code. */
out.println("<!DOCTYPE html>"); out.println("<html>"); out.println("<head>");
out.println("<title>Servlet CalculateSumServlet</title>");
out.println("</head>"); out.println("<body>"); out.println("<h1> Calculate
Sum</h1>"); out.println("<h3> First user input:"+num1+"</h1>");
out.println("<h3> Second user input:"+num2+"</h1>"); out.println("<h1>
Answer:"+sum+"</h1>");
      //out.println("<h1>The sum of " + num1 + " and " + num2 + " is: " + sum + "</h1>");
//out.println("<h1>Servlet CalculateSumServlet at " + request.getContextPath() + "</h1>");
out.println("</body>");
out.println("</html>");
   }
  }
 // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to
edit the code.">
 /**
```

```
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
  */
  @Override protected void doGet(HttpServletRequest request,
HttpServletResponse response) throwsServletException, IOException {
processRequest(request, response);
 }
 /**
* Handles the HTTP <code>POST</code> method.
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
  */
  @Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throwsServletException, IOException { processRequest(request, response);
 }
 /**
* Returns a short description of the servlet.
* @return a String containing servlet description
```

\* Handles the HTTP <code>GET</code> method.

```
*/
@Override public String
getServletInfo() { return

"Short description";
}// </editor-fold>
}

First Number: 15

Second Number: 20

Calculate Sum
```

calculate answer: 35