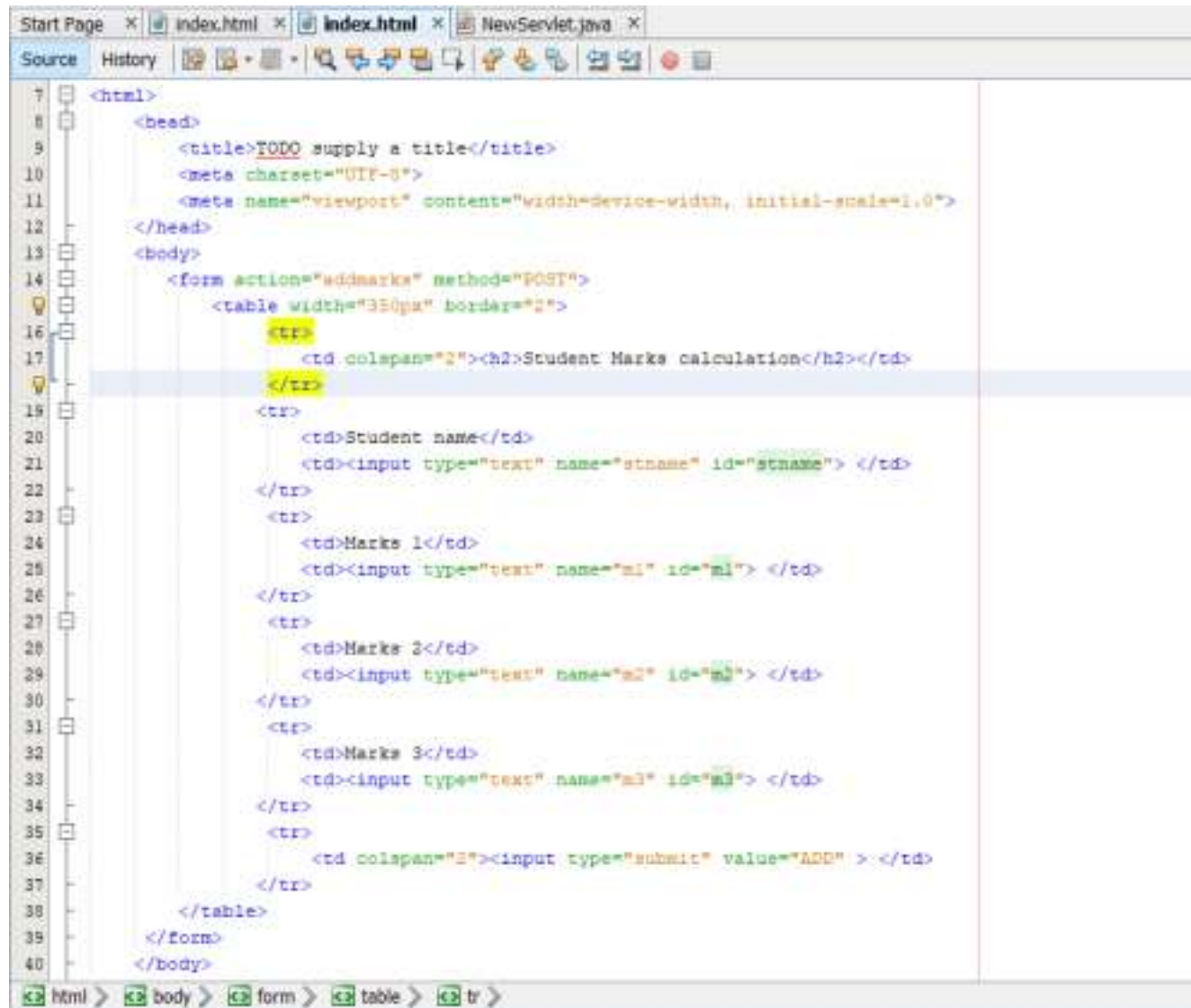


AIM:- SERVLET PROGRAM TO DISPLAY STUDENTS MARKSHEET



The screenshot shows an IDE with three tabs: 'Start Page', 'index.html', and 'NewServlet.java'. The 'index.html' tab is active, displaying the following HTML code:

```
7 <html>
8   <head>
9     <title>TODO supply a title</title>
10    <meta charset="UTF-8">
11    <meta name="viewport" content="width=device-width, initial-scale=1.0">
12  </head>
13  <body>
14    <form action="addmarks" method="POST">
15      <table width="350px" border="1">
16        <tr>
17          <td colspan="2"><h2>Student Marks calculation</h2></td>
18        </tr>
19        <tr>
20          <td>Student name</td>
21          <td><input type="text" name="stname" id="stname"> </td>
22        </tr>
23        <tr>
24          <td>Marks 1</td>
25          <td><input type="text" name="m1" id="m1"> </td>
26        </tr>
27        <tr>
28          <td>Marks 2</td>
29          <td><input type="text" name="m2" id="m2"> </td>
30        </tr>
31        <tr>
32          <td>Marks 3</td>
33          <td><input type="text" name="m3" id="m3"> </td>
34        </tr>
35        <tr>
36          <td colspan="2"><input type="submit" value="ADD" ></td>
37        </tr>
38      </table>
39    </form>
40  </body>
```

The breadcrumb at the bottom of the editor indicates the current selection: `<html> > <body> > <form> > <table> > <tr> >`.

```
Start Page x index.html x index.html x NewServlet.java x
Source History
7 import java.io.IOException;
8 import java.io.PrintWriter;
9 import javax.servlet.ServletException;
10 import javax.servlet.http.HttpServlet;
11 import javax.servlet.http.HttpServletRequest;
12 import javax.servlet.http.HttpServletResponse;
13
14 public class NewServlet extends HttpServlet {
15
16
17     protected void processRequest(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19         response.setContentType("text/html;charset=UTF-8");
20         try (PrintWriter out = response.getWriter()) {
21             /* TODO output your page here. You may use following sample code. */
22             int m1=Integer.parseInt(request.getParameter("m1"));
23             int m2=Integer.parseInt(request.getParameter("m2"));
24             int m3=Integer.parseInt(request.getParameter("m3"));
25
26             int tot = m1 + m2 + m3;
27             out.println("\nYour total is: \n" + tot );
28
29             int avg;
30             avg = tot/3;
31             out.println("Your Average is: \n" + avg);
32
33             if(avg>50)
34             {
35                 out.println("Your Grade is pass " );
36             }
37             else
38             {
39                 out.println("Your Grade is Fail!!!! Better luck " );
40             }
41         }
42     }
43 }
```

OUTPUT:-

## Student Marks

**calculation** Student name

Marks 1

Marks 2

Marks 3

ADD

---

Your total is: 135 Your Average is: 45 Your Grade is fail!!!! Better luck

Q: 2. Write java program to print Servlet Request header info.

Index.html

```
<input type="submit" name="result" id="btn"/><br><br>
</form>
<form action="servlet_header" id="form2">
    Click here for Servlet Request Info: <input type="submit" name="req_btn" />
</form>
```

## Servlet

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter()) {
        /* TODO output your page here. You may use following sample code. */
        Enumeration e = request.getHeaderNames();
        while (e.hasMoreElements()) {
            String headerName = (String) e.nextElement();
            String headerValue = request.getHeader(headerName);
            out.print("<b>" + headerName + "</b>: ");
            out.println(headerValue + "<br>");
        }
    }
}
```

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Click here for Servlet Request Info:

← → ↻ ⓘ localhost:8080/Marksheet/servlet\_header?req\_btn=Submit

host: localhost:8080  
connection: keep-alive  
sec-ch-ua: "Not A;Brand";v="99", "Chromium";v="98", "Google Chrome";v="98"  
sec-ch-ua-mobile: ?0  
sec-ch-ua-platform: "macOS"  
upgrade-insecure-requests: 1  
user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_15\_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/98.0.4758.80 Safari/537.36  
accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,\*/\*;q=0.8,application/signed-exchange;v=b3;q=0.9  
sec-fetch-site: same-origin  
sec-fetch-mode: navigate  
sec-fetch-user: ?1  
sec-fetch-dest: document  
referrer: http://localhost:8080/Marksheet/  
accept-encoding: gzip, deflate, br  
accept-language: en-US,en;q=0.9