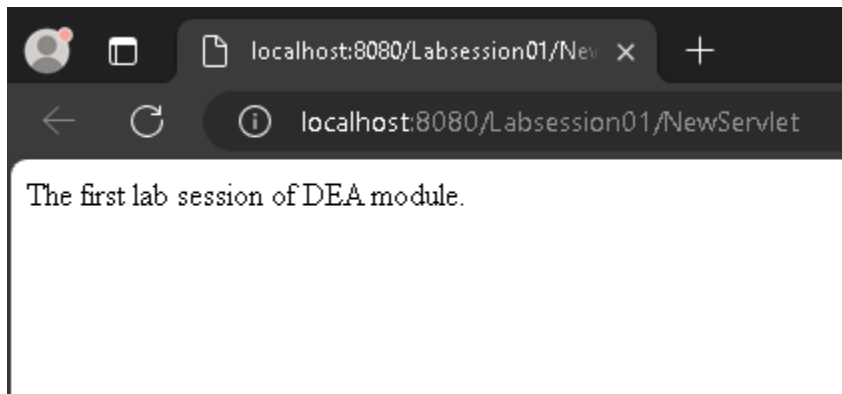# Lab Session 01(2024.03.22)

01)Write a simple servlet that prints the following

The first lab session of DEA module.

NewServlet.java

```java
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out=response.getWriter();
    out.println("The first lab session of DEA module.");
    //processRequest(request, response);
}
```
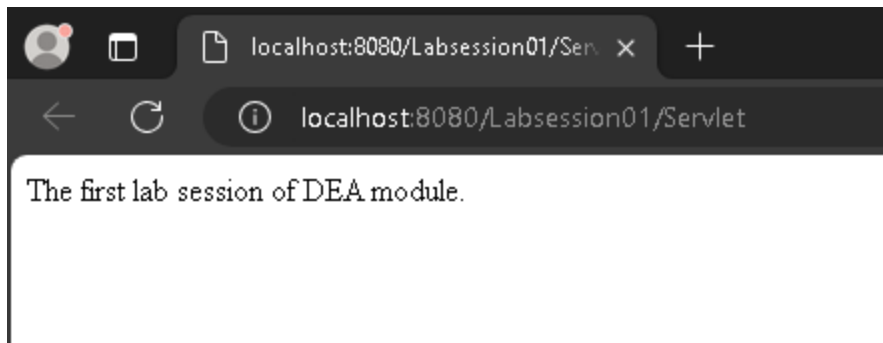
localhost:8080/Labsession01/New × +

← C ⓘ localhost:8080/Labsession01/NewServlet

The first lab session of DEA module.

02) Write a simple servlet that gives the above output in HTML

Servlet.java

```java
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out=response.getWriter();
    out.println("<html>");
    out.println("<body>");
    out.println("The first lab session of DEA module.");
    out.println("</body>");
    out.println("<html>");
    //processRequest(request, response);
}
```

The first lab session of DEA module.

03)Create a HTML form that asks for user's first name and surname and display it back when the form is submitted.

Welcome <first name> <surname>

Welcome Saman Perera

Index.html

```html
<html>
    <head>
        <title>Welcome User</title>
    </head>
    <body>
        <h2>Enter Your Name</h2>
        <form action="WelcomeServlet" method="post">
            First Name:<input type="text" name="firstName"><br>
            Surname:<input type="text" name="surname"><br>
            <input type="submit" value="submit">
        </form>

    </body>
</html>
```
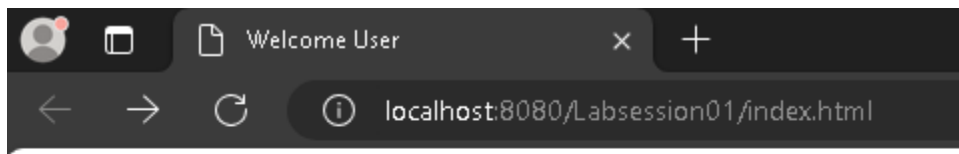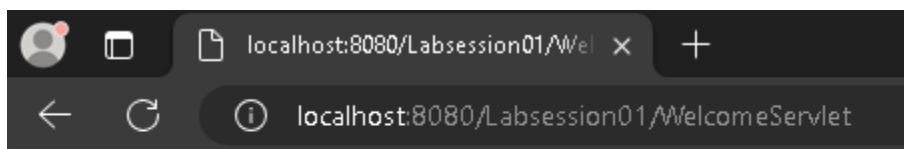
WelcomeServlet.java

```java
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
    PrintWriter out=response.getWriter();
    String firstName=request.getParameter("firstName");
    String surname=request.getParameter("surname");
    out.println("<html>");
    out.println("<body>");
    out.println("<h2>Welcome "+ firstName +" "+surname);
    out.println("</body>");
    out.println("</html>");
    //processRequest(request, response);
}
```


Enter Your Name

First Name: Saman
Surname: Perera
submit

Welcome Saman Perera

04)Create a HTML form that takes two numbers as inputs and gives the sum of them as the output.

Index1.html

```html
<html>
    <head>
        <title>Sum of Two Numbers</title>
    </head>
    <body>
        <h2>Enter Two Numbers</h2>
        <form action="SumServlet" method="get">
            Number 1:<input type="text" name="num1"><br>
            Number 2:<input type="text" name="num2"><br>
            <input type="submit" value="submit"><br>
        </form>
    </body>
</html>
```

SumServlet.java

```java
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
    PrintWriter out=response.getWriter();
    int num1=Integer.parseInt(request.getParameter("num1"));
    int num2=Integer.parseInt(request.getParameter("num2"));
    int sum=num1+num2;
    out.println("<html>");
    out.println("<body>");
    //out.println("<h2>Number 1:"+ num1 +"</h2>");
    // out.println("<h2>Number 2:"+ num2 + "</h2>");
    out.println("<h2>Total:"+sum+"</h2>");
    out.println("</body>");
    out.println("</html>");
    //processRequest(request, response);
}
```

Enter Two Numbers

Number 1: 20
Number 2: 15
submit

Total:35