



UNIVERSITY MALAYSIA TERENGGANU
FACULTY OF COMPUTER SCIENCE AND MATHEMATICS
WEB BASED APPLICATION DEVELOPMENT

CSM3023 (K1)

Lab Report 3

Prepared by:

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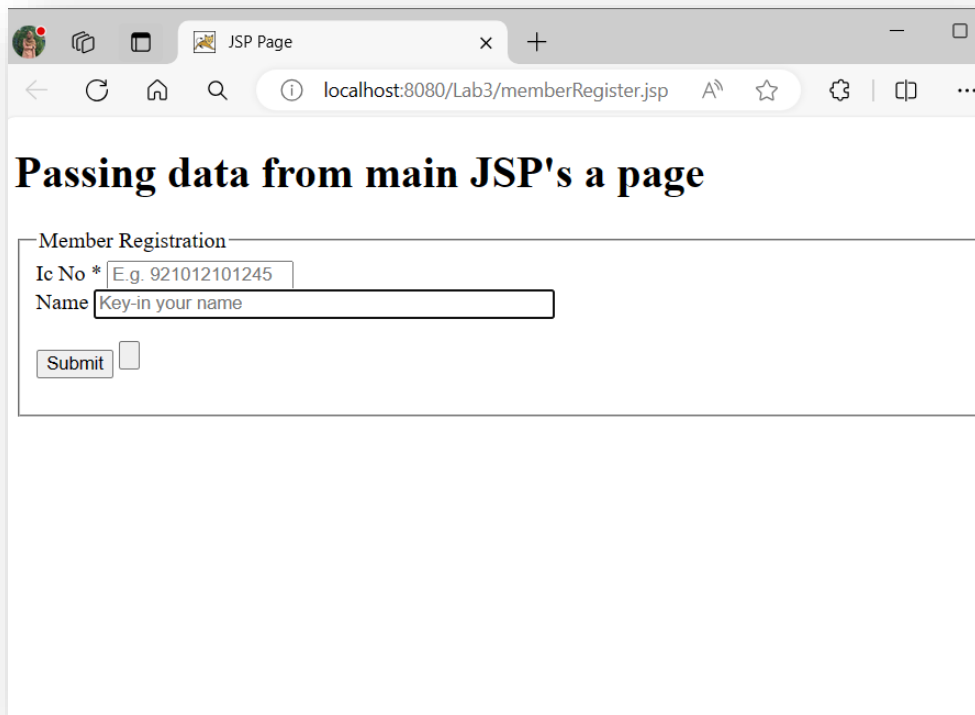
Prepared for:

ENCIK MOHD ARIZAL SHAMSIL MAT RIFIN

[BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING)]

SEMESTER II 2023/2024

Task 1

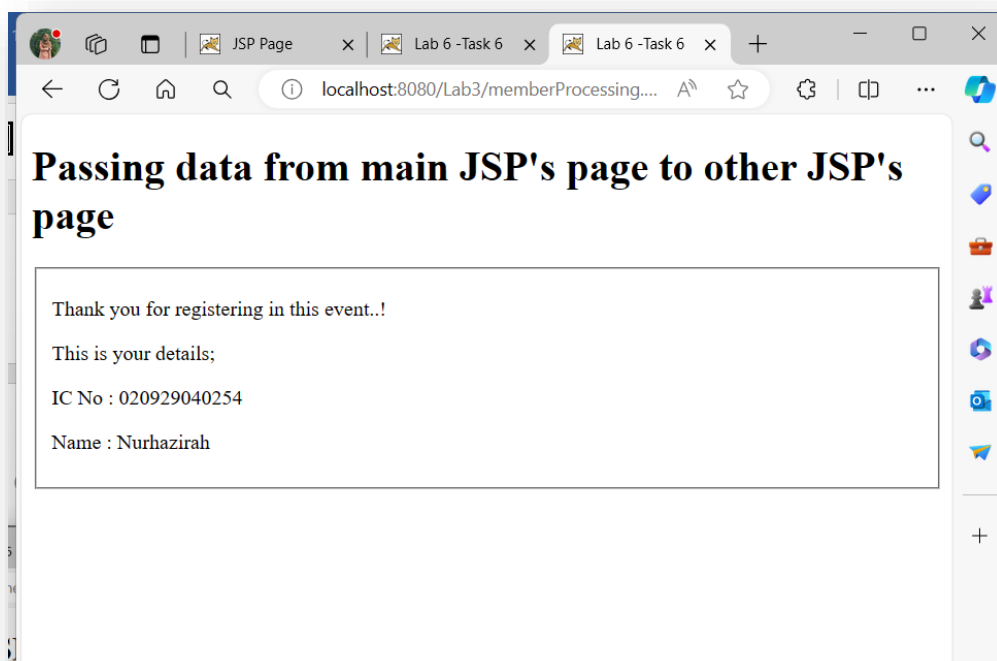


Passing data from main JSP's a page

Member Registration

Ic No *

Name



Passing data from main JSP's page to other JSP's page

Thank you for registering in this event..!

This is your details;

IC No : 020929040254

Name : Nurhazirah

The screenshot shows a web browser window with the address bar displaying `localhost:8080/Lab3/memberRegister.jsp`. The page title is "Passing data from main JSP's a page". Below the title is a form titled "Member Registration". The form contains two input fields: "Ic No *" with the value "020929040254" and "Name" with the value "Nurhazirah". There is a "Submit" button at the bottom of the form.

Reflection

1. How do you want to submit specific information from one form to next form?

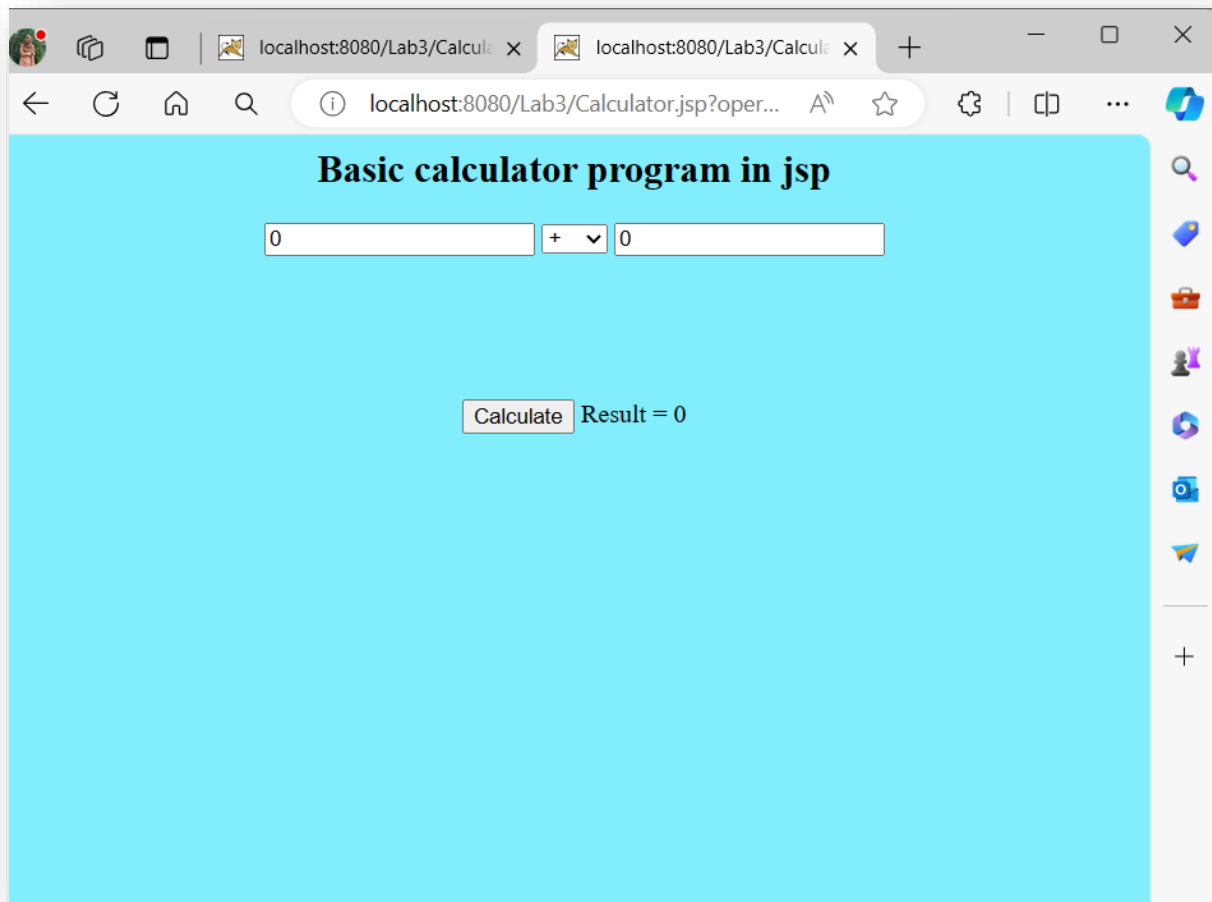
Use a form in the main JSP page to the other JSP page with input fields such as in main JSP page (memberRegister.jsp) with input fields for IC number and name. After that the form data will be sent to the URL specified in the form's action attribute, which is memberProcessing.jsp such as above output.

2. What happened if the field name you specify in

`request.getParameter("field_name")` in second page is different from the field name you defined in first page?

The data would not be retrieved. It is because the field name is different.

Task 2



Reflection

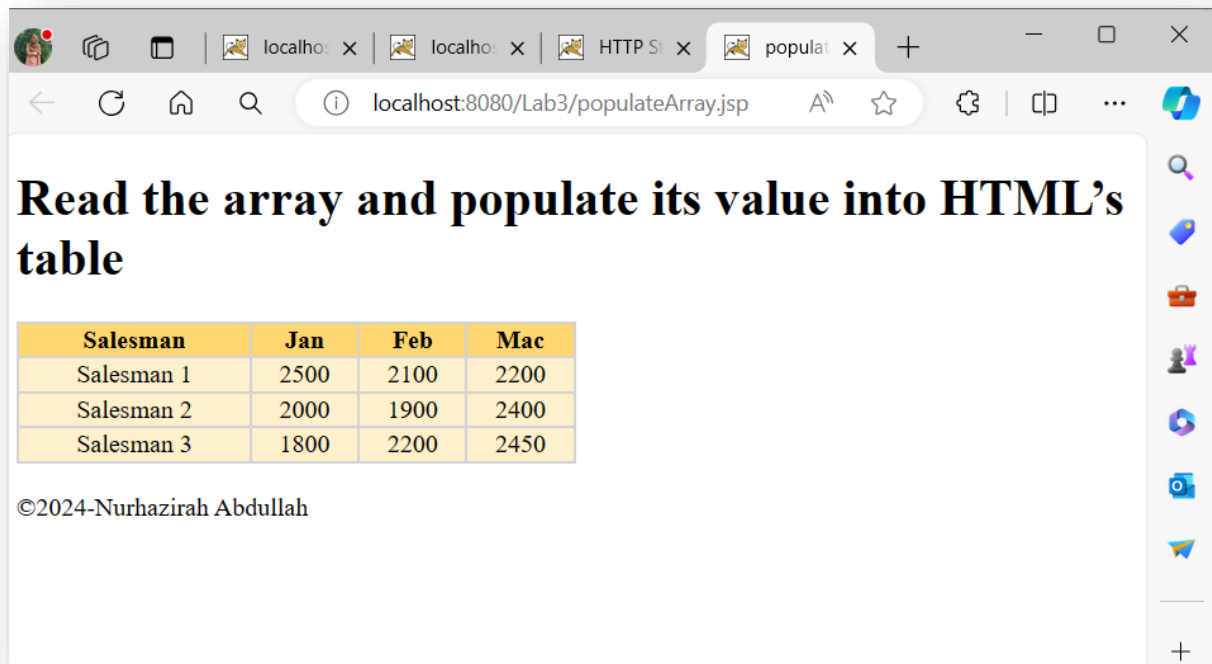
1. How do you want to submit specific information from one form to next form?

Use a form in the main JSP page to the other JSP page with input fields such as in main JSP page (memberRegister.jsp) with input fields for IC number and name. After that the form data will be sent to the URL specified in the form's action attribute, which is memberProcessing.jsp such as above output.

2. What happened if the field name you specify in request.getParameter("field_name") in second page is different from the field name you defined in first page?

The data would not be retrieved. It is because the request.getParameter() method retrieves data from the HTTP request based on the parameter name. If does not match, the method will return null.

Task 3



Reflection

1. Write a sample syntax to declare 2D Java array.

```
int[][] array = new [3][3];
```

2. Define a sequence of steps on how you accomplish Task 7.

Initialize the array on jsp file, then make the table ('th') and cells ('td') and add some styling for background colors that applied to the headers and also the cells following the output example of lab 3.

3. What is the difference between HTML's page and JSP's page

HTML's page	JSP's page
Static	Dynamic (can contain both static HTML content and (JSP technology)
Client-side(browser)	Server-side Processing

Task 4

Html file:

Perform Car Loan Calculation

Loan Calculation

Loan Amount*

Period 3 years ▼

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JSP file:

Perform Car Loan Calculation

Details of car loan:

Loan Request : 5000

Period of payment : 7

Total Loan (+ interest) : 6575.0

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Reflection

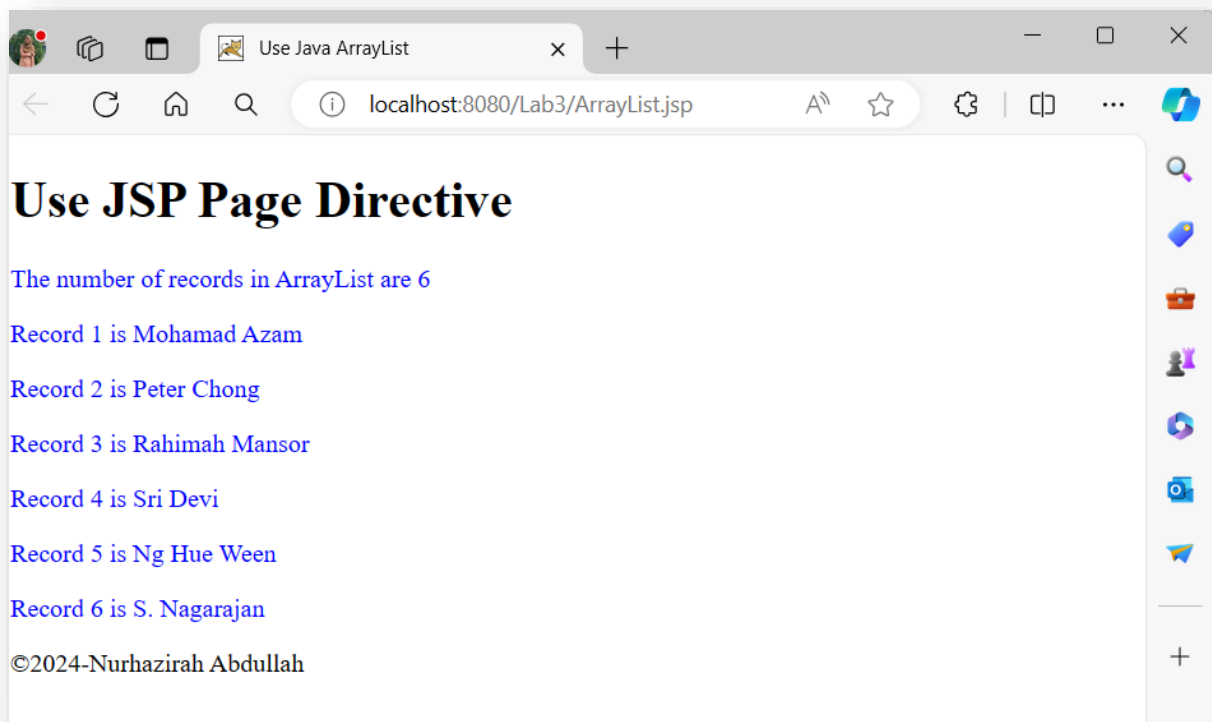
1. How you want to retrieve data from previous page?

Use request.getParameter() method.

2. Where the construction of logic occur for calculating Total Loan (+ interest) ?

Using java code embedded in JSP file 'if-else' statement

Task 5



Reflection

1. What you have learnt from this exercise?

How to use JavaArrayList within JSP file that dynamically store and display data. Plus, integrate java code within HTML markup

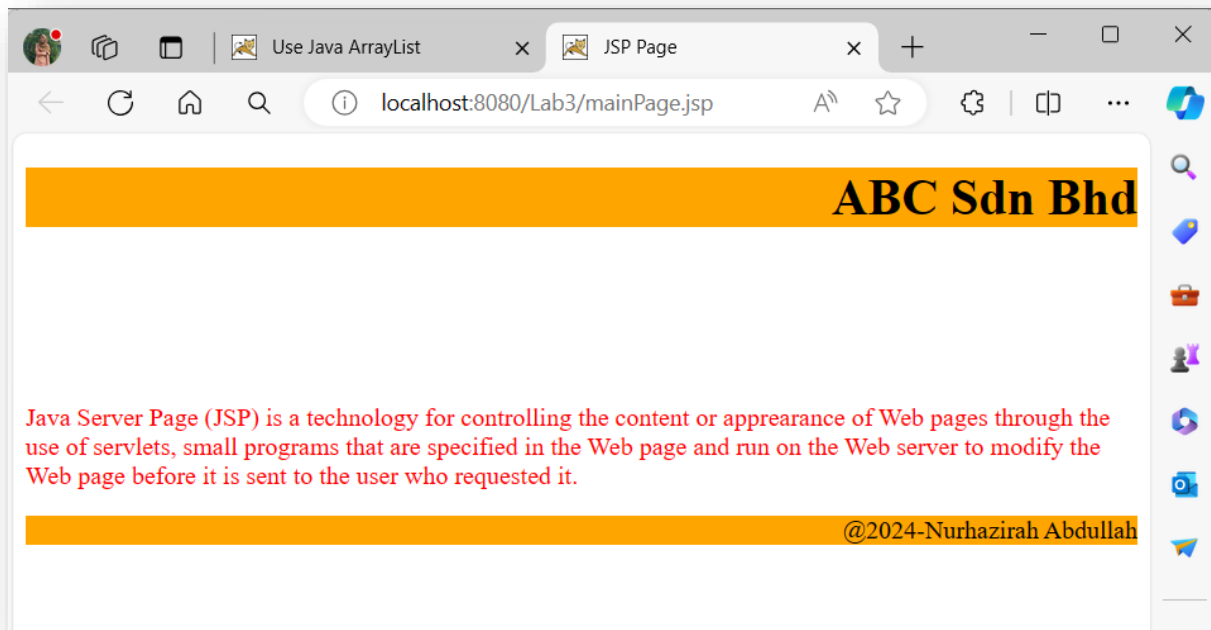
2. Write a sample syntax how you want to use java Math object in JSP?

```
<%  
    double num = 4.5;  
    double result = Math.sqrt(num); // Example of using Math.sqrt() method  
%>  
  
<p>The square root of <%= num %> is <%= result %></p>
```

3. List and write a sample syntax for THREE (3) of JSP page directive.

- `<%@page contentType="text/html" pageEncoding="UTF-8"%>`
- `<%@include file="header.jsp" %>`

Task 6



Reflection

1. What you have learnt from this exercise?

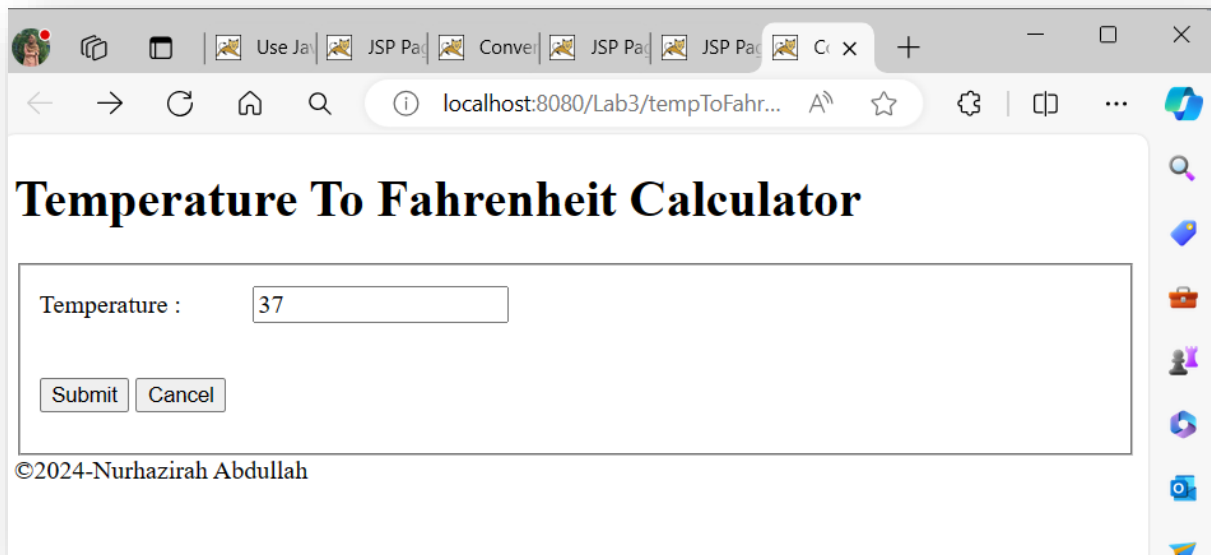
I learned on how to use JSP that include directive to modularize a web page. For example, headers and footers into multiple pages and running the code at mainPage.

2. Write a syntax how you want to include common.html file that located at a directory known as master.

```
<%@ include file="master/common.html" %>
```


Exercise

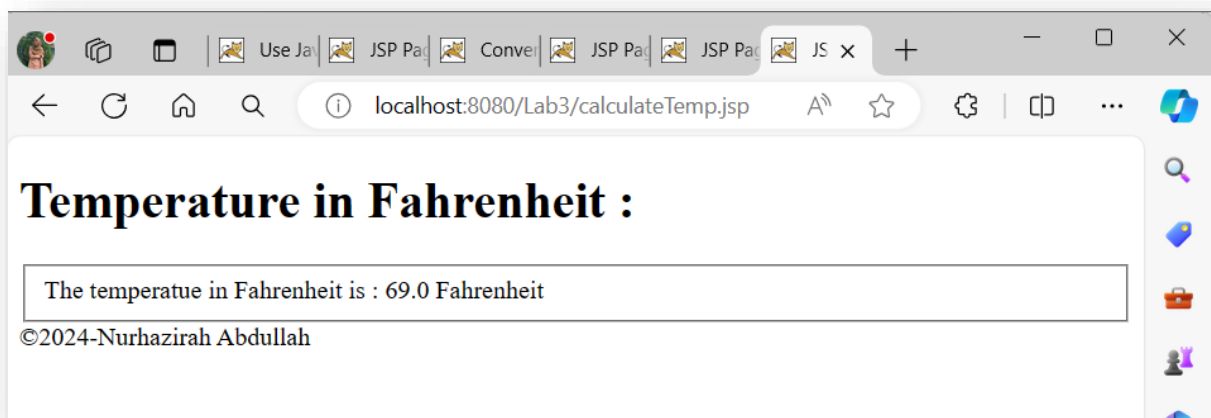
1.



Temperature To Fahrenheit Calculator

Temperature :

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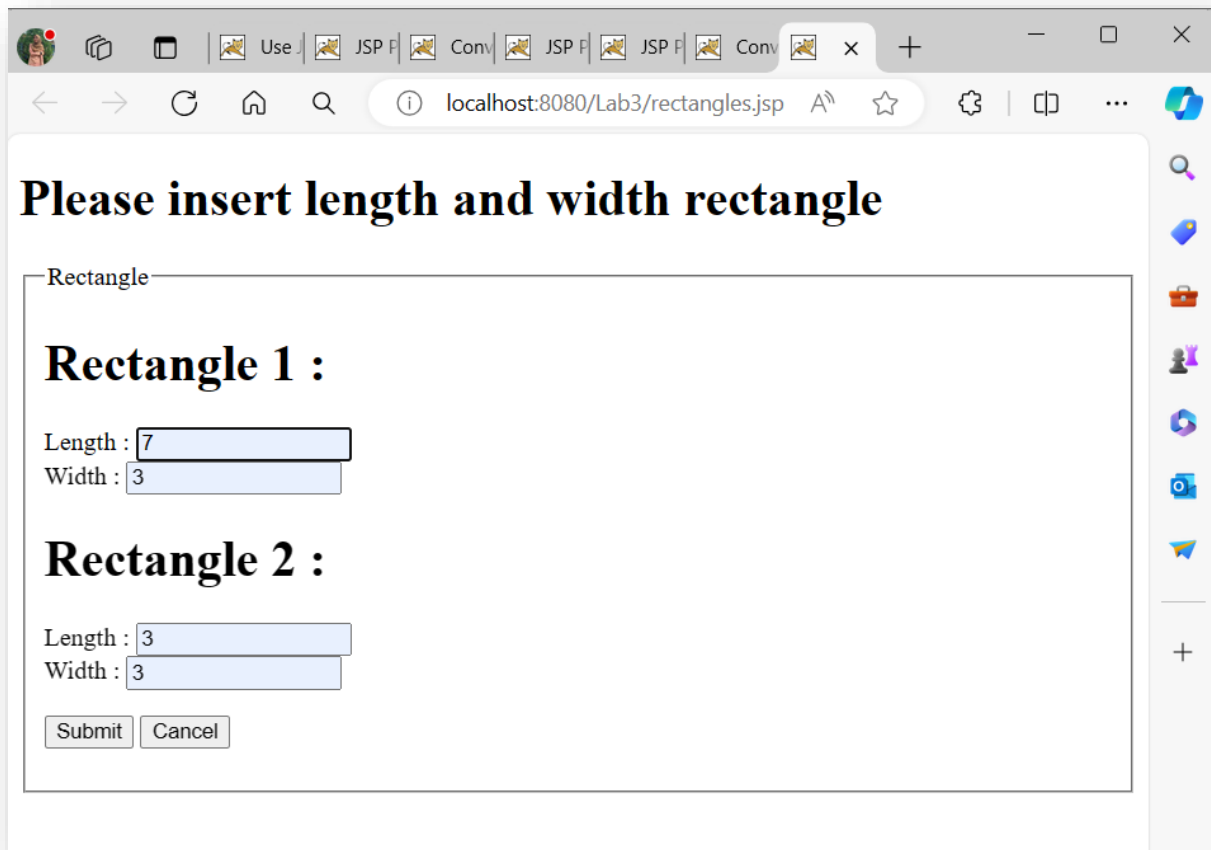


Temperature in Fahrenheit :

The temperatue in Fahrenheit is : 69.0 Fahrenheit

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2.



Please insert length and width rectangle

Rectangle

Rectangle 1 :

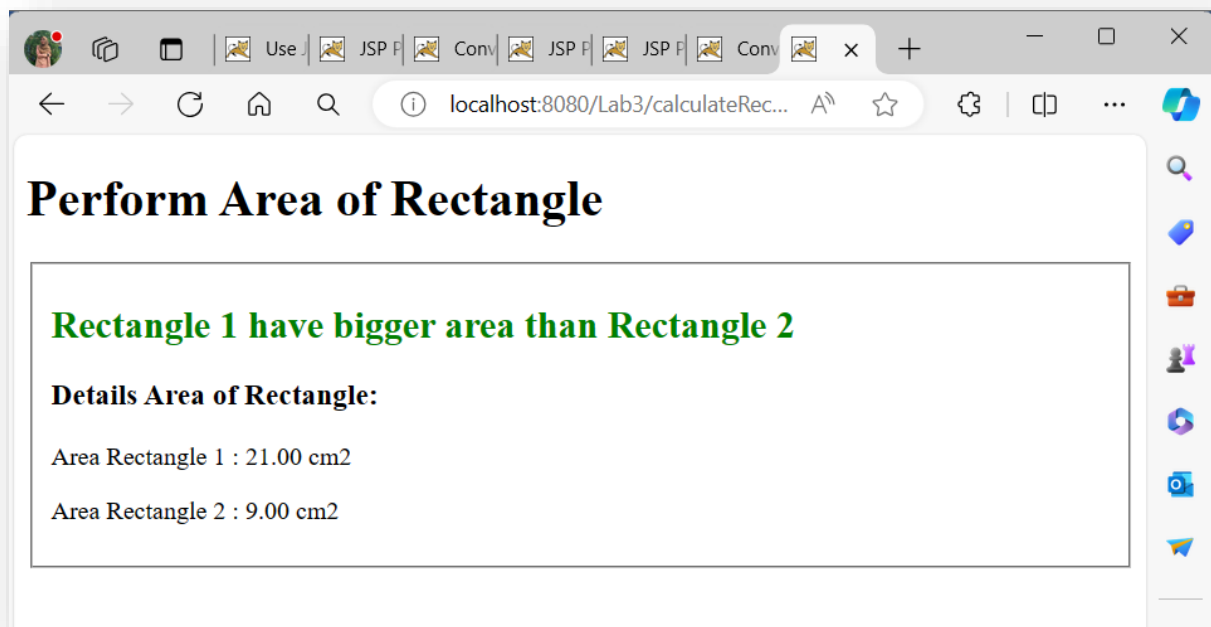
Length :

Width :

Rectangle 2 :

Length :

Width :



Perform Area of Rectangle

Rectangle 1 have bigger area than Rectangle 2

Details Area of Rectangle:

Area Rectangle 1 : 21.00 cm2

Area Rectangle 2 : 9.00 cm2