

UNIVERSITI MALAYSIA TERENGGANU

CSM3023 – WEB BASED APPLICATION

BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

LAB 3 - JSP

SEMESTER II 2023/2024

Prepared for:

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(S67614)

Task 1

MemberRegister.jsp

MemberProcessing.jsp

```
Document : memberProcessing
Created on : 17 Apr 2024, 5:23:34 pm
Author : Fiza

--**

***Opage contentType="text/html" pageEncoding="UTF-6"%>
<!DOCTYPE html>
| Chtml>
| Chtml>
| Chtml>
| Chtml>
| Chead>
| Chea
```

Passing data from main JSP page to other JSP page Member Registration Ic No * 030405140341 Name | Iqbal Rauf Submit Cancel

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: 030405140341

Name: Iqbal Rauf

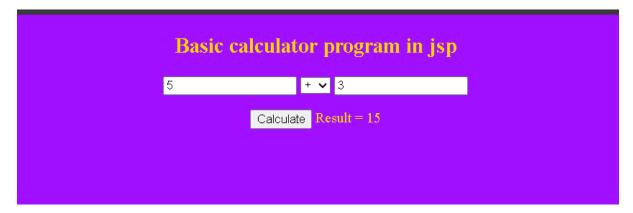
Reflection

- 1. How do you want to submit specific information from one form to next form? By using post method and assigning field name.
- 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 information we intended to refer cannot be referred.

TASK 2

Calculator.jsp



Reflection

- 1. How do you want to submit specific information from one form to next form? By using post method and assigning field name.
- 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 information we intended to refer cannot be referred.

TASK 4

CalculateCarLoan.jsp

CalculateCarLoan.html

Car Loan Calculator

Loan Amount: 100000

Loan Period: 5 years

Calculate

Car Loan Result

Loan Amount: RM 100000

Loan Period: 5 years

Annual Interest Rate: 4.5%

Monthly Payment: RM 1864.30

Total Loan (+interest): RM 111858.12

Reflection

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

By using request.getParameter method.

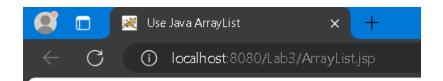
2. Where the construction of logic occur for calculating Total Loan (+ interest)?

After we received all the required datas from previous page.

TASK 5

ArrayList.jsp

Result



Use JSP Page Directive

The number of records in ArrayList are 6

Record 1 is Mohamad Azam

Record 2 is Peter Chong

Record 3 is Rahimah Mansor

Record 4 is Sri Devi

Record 5 is Ng Hue Wen

Record 6 is S. Nagarajan

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Reflection:

- 1. What you have learnt from this exercise? I learned how to utilize Java ArrayList in JSP to store and manipulate data dynamically.
- 2. Write a sample syntax how you want to use java Math object in JSP? <me><me> page import="java.lang.Math"%></me>
- 3. List and write a sample syntax for THREE (3) of JSP page directive.
- <@page import="java.util.ArrayList"%>
- <%@page contentType="text/html" pageEncoding="UTF-8"%>
- <%@page language="java" %>

TASK 6

HeaderPage.jsp

MainPage.jsp

FooterPage.jsp

Result

```
Java Server Page (JSP) is a technology for controlling the content or appearance of Web pages through the use of servlets, small programs that are specified in the Web page and run on the Web server to modify the Web page before it is sent to the user who requested it

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```

Reflection:

- 1. What you have learnt from this exercise?
- This exercise demonstrates the usage of JSP include directive to modularize web pages by separating common elements such as header and footer into separate files.
- 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

Temperature.jsp

```
Document : temperature
Created on: 22 Apr 2024, 10:01:34 pm
Author : Iqbal Rauf

--%>

($0 page language="java" contentType="text/html; charset=UTF-8"
pageSncoding="UTF-8"%>
(IDOCTYPE html)

(Atad)

(Atad)
```

Result

Temperature Conversion Enter temperature in Celsius: 37 Convert to Fahrenheit Temperature Conversion Enter temperature in Celsius: Convert to Fahrenheit Temperature in Fahrenheit: 98.60

Rectangle.jsp

```
<meta charset="UTF-8">
</head>
       Length: <input type="number" step="any" name="length1" required><br>
       Length: <input type="number" step="any" name="length2" required><br>
       Width: <input type="number" step="any" name="width2" required><br>
              if (area1 > area2) {
     <%= result %>
 </body>
 </html>
```

Rectangle Area Comparison
Rectangle 1:
Length: 13
Width: 10
Rectangle 2:
Length: 5
Width: 27
Compare Areas
Rectangle Area Comparison
Rectangle 1:
Length:
Width:
D 4 1 2
Rectangle 2: Length:
Lengin:
Width:
Width: