

CSM3023 WEB BASED APPLICATION DEVELOPMENT (K1)

BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

SEMESTER 2 2023/2024

LAB 4 – JSP: Scriptlet, Expression & Standard Actions

Prepared by:

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Task 1:

Coding:

customer.html

```
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| Clic
                                                                                               <!--
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
click nbfs://nbhost/SystemFileSystem/Templates/JSP Servlet/Rtml.html to edit this template</p>
                                                                                                                                                    \title>ToDo supply a title</title>
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\title supply supp
                                                                                                                                                                                                  <hl>Use JSP Scriplet and JSP Expression in application</hl><br><h2>Customer discount</h2>cbr>
```

processCustomer.jsp

Output:

Use JSP Scriplet and JSP Expression in application

Customer discount



Use JSP Scriplet and JSP EXpression in application

Reflection

- What you have learnt from this exercise?
 I have learnt how to apply JSP scriplet and expression in web application.
- 2. Explain three (3) type of JSP scripting? JSP declaration, expression and scriplet.

Task 2:

Coding:

currencyConversion.html

```
ctitle>ricry
dest aname*ricry:ricry
dest aname*ricrisport* content="width=device-width, initial-scale=1.0")
desta name*ricrisport* content="width=device-width, initial-scale=1.0")

// head)

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```

processCurrency.jsp

```
# Appage contentType=TeatInnial pageEncoding=TETE-0*Do
ClocoType Entary

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```

Output:

Use JSP Declaration tag, JSP Scriplet and JSP Expression in application



Use JSP Declaration tag, JSP Scriplet and JSP Expression in application

Amount in Ringgit Malaysia is 10000 Amount in EURO is 50900.00

Reflection

1. What have you learn from this exercise?
I have learnt how to us JSP declaration tag to declare variable and function, JSP Expression and JSP Scriplet.

Task 3:

Coding:

jspParameter

subjectInfo.jsp

Output:

Using jsp:include and jsp:param to display information on JSP page

Calling subjectInfo.jsp page

```
Code = CSF3107
Subject = Web Programming 2
Credit = 3(2+1)
```

Reflection

1. What you have learnt from this exercise?

I have learnt how to use jsp:include to call method than pass information using jsp:param.

2. List TWO (2) other JSP Standard Action Tag jsp:forward & jsp:useBean

Task 4:

Coding:

forward.jsp

forwardInfo.jsp

Output:

Fouad Abdulameer fouadaug@gmail.com Iraqi Developer Today is:Sat Apr 27 16:35:17 MYT 2024

Reflection

- 1. What you have learnt from this exercise?
 I have learnt how to use JSP Standard Action Tag JSP:forward to call targeted method than use JSP:param to forward information.
- 2. List TWO(2) More JSP Standard Action Tag
 - ${\tt 1. jspset Property}$
 - 2.jspgetProperty

Task 5:

Coding:

in surance Quotation. jsp

```
| Chtml
| Chead>
| Catyle>
| Catyle>
| Chead>
| 
                                                                                                                                                                                         <label for="ncd">No claims discount (NCD)</label>
```

processInsuranceQuo.jsp

```
return insurance;

)

5>
(%

String icNo = request.getFarameter("icNo");

String custName = request.getFarameter("name");

int market_price = Integer.parseInt(request.getFarameter("type");

String cover_type = request.getFarameter("type");
                                                                            String Ncd = request.getParameter("ncd");
double ins_amount = calcInsurance(coverage, Ncd, market_price);
double get_charge = ins_amount * get_charge;
double final_amount = ins_amount + gst_charge;
                                                                         cfieldest>

cfieldest>

clagend>Details of Insurance Quotation

clagend>Details of Insurance Quotation

cp>CONTENT (ProcustNames)

cp>Converge Type: (*evarkNames)

cp>Converge Type: (*evarkNames)

cp>Converge Type: (*evarkNames)

cp>Insurance amount: (*estring, format(**.2f*, ins_amount)*2

cp>Insurance amount: (*estring, format(**.2f*, ins_amount)*2

cp>Insurance amount(with 6% gsz): (*estring, format(**.2f*, final_amount)*3>

c/fieldast>
oday
```

Output:

Insurance Quotation

Insurance Calculat	
ICNo*	6500324114353
Name*	Faiz
Market Price*	9000
Coverage Type	Comprehensive ✓
No claims discour	NCD) 10% ~
Submit Cancel	

Details of Insurance Quotation—		
IC	No: 6500324114353	
Cu	stomer Name: Faiz	
Ma	arket Price: 9000	
Co	werage Type: Comprehensive	
No	claim discount (NCD) = 10%	
Ins	nurance amount: 0.00	
6%	GST: 0.00	
Fin	al amount(with 6% GST): 0.00	

Reflection

- 1. What you have learnt from this exercise? I have learnt how to use Java Scriplet.
- 2. List all Java features you used in Java Scriptlet.
 Variable, data type, operator and control statement.

Exercise:

Coding:

bmiCalculator.jsp

```
Document : bmiCalculator

Created on : 27 Apr 2024, 8:25:26 am

Author : ACER

**C***

**C***

**Opage contentType="text/html" pageEncoding="UTF-0"%>

**C***

                                                                                                                                                                                                            cfieldset>
clegendb mm Analyzerc/legend>
cform action="processEmicalculator.jsp">
ctable>
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ctd>
cfdbel for="height">Enter your height in(m):</label>
c/td>
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ctd>
cinput type="text" id="height" name="height" placehold
c/tr>
ctr>
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cft
                                                                                                                                                                                                                                 ...-weight">Enter your weight in(kg):</label>
...-weight">Enter your weight in(kg):
...-weight in(kg):
...
```

processBmiCalculator.jsp

```
c/head>
c/dody>
close
double u_height = Double.parseDouble(request.getFarameter("height"));
double u_weight = Double.parseDouble(request.getFarameter("height"));
double bmi = u_weight / (u_height * u_height);

String category = "";
if(bmi > 25){
    category = "overweight";
}
else if(bmi > 10.5 && bmi <= 25){
    category = "optimal";
}
</pre>
```

Output:

BMI Analyzer		
Enter your height in(m): 174		
Enter your weight in(kg): [60]		
Submit Cancel		
Your BMI result		
Height: 174.0		
Weight: 60.0		
BM: 0.00		
Your bmi is underweight!		