

# 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

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Task 1:

Coding:

customer.html

#### processCustomer.html

Output:

#### Use JSP Scriplet and JSP Expression in application

#### **Customer discount**



# Use JSP Scriplet and JSP EXpression in application

#### Reflection

- 1. 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.jsp

```
chtml>
chead>
csitle>lutfit(/title>
cmeta charset="UTF-8">
cmeta name="wiwport" content="width=device-width, initial-scale=1.0">
chead>
chody>
chloUse JSP Declaration tag,JSF Scriplet and JSF Expression in application</hl>
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coption value="a"="amount" name="amount" placeholder="(in RM)">
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coption value="a"="amount" name="amount" placeholder="(in RM)">
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```

#### processCurrency.jsp

```
| CurrencyName = "USD"; | break; | case "2"; | currencyName = "SIC"; | break; | case "3"; | currencyName = "EURO"; | break; | case "3"; | currencyName = "EURO"; | break; | case "3"; | currencyName = "EURO"; | currencyName
```

#### Output:

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

# Currency Conversion Amount(in RM) 1000 Convert to [Pound Starting v] Submit | Cancol

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

```
Amount in Ringgit Malaysia is 1000
Amount in STG is 5940.00
```

#### Reflection

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:

#### jspParam.jsp

```
<*@page contentType="text/html" pageEncoding="UTF-8"%>

(html)

(html)
```

#### 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

- 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 Tag1.jspsetProperty2.jspgetProperty

Task 5:

Coding:

in surance Quotation. jsp

```
Chapter content/pp="text/html" pageIncoding="UTF-3"%)

Chapter content/pp="text/html" pageIncoding="UTF-3"%)

Chapter content/pp=quipm="Content-"type" content="text/html; charact="UTF-3"%)

Chapter content/pp=quipm="Content-Chapter content="text/html; charact="UTF-3"%)

Chapter content-pp=quipm="Content-Chapter content="text-3" character content-chapter content-ch
```

processInsuranceQuo.jsp

```
case "lo%:
    insurance = 0.033 * market;
    break;
}
}
return insurance;
}

string ioNo = request.getParameter("ioNo");
String oustName = request.getParameter("name");
int market price = Integer.parseInt(request.getParameter("market"));
String cover.type = request.getParameter("type");

String coverage = "";
switch(cover.type){
    case "l":
        coverage = "Third Party";
        break;
case "2":
        coverage = "Comprehensive";
        break;
}

String Nod = request.getParameter("nod");
double ins_amount = calcInsurance(coverage, Nod, market_price);
double gst_charge = ins_amount * gst;
double final_amount = ins_amount + gst_charge;

*>

<fieldset>
</spre>

</pr
```

# Output:

ì	Details of Insurance Quotation
	IC No: 041120-01-0865
	Customer Name: RyoukiTenkai
	Market Price: 40000
	Coverage Type: Comprehensive
	No claim discount (NCD) = 35%
	Insurance amount: 960.00
	6% GST: 57.60
	Final amount(with 6% GST): 1017.60

### **Insurance Quotation**



#### 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

#### processBmiCalculator.jsp

#### Output:

Γ	BMI Analyzer—
	Enter your height in(m): 1.7
	Enter your weight in(kg): 110
	Submit Cancel
-	
Γ	−Your BMI result −
	—Your BMI result— Height: 1.7
	Height: 1.7