

Element Technology – Exchange Rate Calculation

Summary

A function to calculate the exchange rate based on a list of exchange quotations provided by Korea Exchange Bank (KEB).

Description

It has a function to calculate the exchange rates including Korean (KRW), the USA (USD), the EU (EUR), Japanese (JPY) and Chinese (CNY) currencies.

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.fcc.service.EgovEhgtCalcUtil.java	Exchange rate utility	
Controller	egovframework.com.cmm.web.EgovComUtilController.java	A controller for testing	
JSP	/WEB-INF/jsp/egovframework/cmm/utl/EgovEhgtCalc.jsp	A test page on exchange rates	

Method

Output	Method	Description	Details
String	getEhgtCalc(String srcType, long srcAmount, String cnvrType)	Exchange rate calculation	A function to calculate the exchange rates based on a list of exchange quotations

Input

- Specific Numbers: Long- type numbers
- Validation Check: [Element technology validation check](#)

Output

- String

Environmental Settings

N/A

Manual

```
import egovframework.com.utl.fcc.service.EgovEhgtCalcUtil;
```

```
...
```

```
<td>  
    <select name="BeforeCondition" class="select">  
        <option selected value='K'>Korea(KRW)</option>  
        <option value='K'>Korea(KRW)</option>  
        <option value='U'>USA(USD)</option>  
        <option value='E'>EU(EUR)</option>  
        <option value='J'>Japan(JPY)</option>  
        <option value='C'>China(CNY)</option>  
    </select>
```

```
</td>
```

```
<td>  
    original amount:<input type = "text" name="srcAmount" size=10 > - >
```

```

</td>
<td>
  <select name="AfterCondition" class="select">
    <option selected value='K'>Korea(KRW)</option>
    <option value='K'>Korea(KRW)</option>
    <option value='U'>USA(USD)</option>
    <option value='E'>EU(EUR)</option>
    <option value='J'>Japan(JPY)</option>
    <option value='C'>China(CNY)</option>
  </select>
</td>

```

```

// the currency of an originating country
String srcType = safeGetParameter(request,"BeforeCondition");
// an amount to be calculated
Long srcAmount = Long.parseLong(safeGetParameter(request,"srcAmount"));
// the currency of a country that is converted
String cnvrType = safeGetParameter(request,"AfterCondition");

String resultStr = EgovEhgtCalcUtil.getEhgtCalc(srcType, srcAmount, cnvrType);

```

Exchange Rate Test Screen

<input type="text" value="대한민국(KRW)"/>	<input type="text" value="원금액: 1000000"/>	<input type="text" value="을(를) ->"/>	<input type="text" value="미국(USD)"/>	<input type="button" value="환율계산"/>	<div style="border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">기타</p> <p>20090430 14:13 more →</p> <p>기타 매매기준율 미화환산율</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>USD</td> <td style="text-align: right;">1295.00</td> <td style="text-align: right;">1.00</td> </tr> <tr> <td>JPY</td> <td style="text-align: right;">1330.25</td> <td style="text-align: right;">1.03</td> </tr> <tr> <td>EUR</td> <td style="text-align: right;">1719.11</td> <td style="text-align: right;">1.33</td> </tr> <tr> <td>CNY</td> <td style="text-align: right;">189.76</td> <td style="text-align: right;">0.15</td> </tr> </table> <p style="text-align: right;"></p> </div>	USD	1295.00	1.00	JPY	1330.25	1.03	EUR	1719.11	1.33	CNY	189.76	0.15
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JPY	1330.25	1.03															
EUR	1719.11	1.33															
CNY	189.76	0.15															
<input type="text" value="변환유형: K"/>	<input type="text" value="원금액: 1000000"/>	<input type="text" value="을(를) ->"/>	<input type="text" value="변환유형: U"/>	<input type="text" value="변환금액: 772,20 USD"/>													

References

N/A