Assignment-6 Rest Services

Firstly, I have created two rest services for converting the currency Dollar to Euro and Euro to Dollar. So, I have gone through writing the test cases by Junit. I have done all this by using the local server i.e.., tomcat 8.0.

Fig1: Default value

I have created a rest services for converting currency Dollar to Euro. I have provided the input for dollar value and displayed the euro value output.

Code:

Double d = 1.0;

Double e;

e=d*0.92



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Fig2: User given data value.



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<DollarToEuro>
  <Dollar>2.0</Dollar>
  <output>Output: Dollar To Euro 1.84</output>
  </DollarToEuro>
```

Fig3: Default value for Euro to Dollar.

Here I have done an another rest service for converting currency Euro to dollar. So, I gave the input for euro and displayed the dollar output.

Code:

```
Double e = 1.0;

Double d;

d = e*1.09;

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```
▼<EuroToDollar>
    <Euro>1.0</Euro>
    <output>Output: Euro To Dollar 1.09</output>
    </EuroToDollar>
```

Fig4: User given input value.



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Fig:5

Test case: Dollar to euro

Success case

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    System.out.println("@output(): " + defVal + " = " + cps);
    assertEquals(defVal,cps);
}
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Failure case

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   assertEquals(defVal,cps);
}
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Fig:6

Test case: Euro to dollar

Success case

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                                                                                               String result = f.format(defVal);
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Servers □ Properties □ Console 

Console 

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Failure case

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                                                                                      Double d = cv.CVol(3.0);
Double defVal = 2.17;
DecimalFormat f = new DecimalFormat("##.00");
String result = f.format(d);

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Servers □ Properties □ Console 

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