

JAVA Assignment



Java Assignment 2: Currency Converter

Ver 3.0 Last Updated: 3/18/2021 12:12 PM

You have been asked to provide a currency exchange converter. A person will be presented with 5 currencies that they can convert to/from US Dollars. The program will allow the user to input the amount of dollars or other currency to be converted.

Allow the user 10 different conversion options. Choose 5 different currencies and look up their exchange rates.(Please document where you found these) Give the user a menu of options to choose from.

For information on how to format the currency amounts nicely, see the cookbook.

NOTE: You MUST have at least Euros and Great Britain Pound-Sterling as two of your conversion currencies!!!!

Please comment your code with details of what the various commands you are using accomplish.

Example run through:

Currency Converter
Rates from XE.com

as of 3/16/2020

0 = Exit

1 = USD to GRP

2 = USD to EUR

3 = USD to Chinese Yuan

4 = USD to Mexican Peso

5 = USD to BitCoin

6 = GBP to USD

7 = EUR to USD

8 = Chinese Yuan to USD

9 = Mexican Peso to USD

10 = Bitcoin to USD

11 = Bonus: any currency to any currency no brute force

1

USD to British Pounds

Enter in USD

100

Here are your GBP 71.95

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2

USD to Euros

Enter in USD

100

Here are your Euros 83.994456

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6

British Pounds to USD

Enter in Pounds

100

Here are your \$ 138.9935027348153

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- 10 = Bitcoin to USD
- 11 = Bonus: any currency to any currency no brute force

6
British Pounds to USD
Enter in Pounds
100
Here are your \$ 138.9935027348153

- Currency Converter
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8

Chinese Yuan to USD

Enter in Yuan

100

Here are your \$ 15.37001080035289

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11

BONUS: Any currency to any currency

=====

Going from:

1 = USD

2 = Great British Pounds

3 = Euros

4 = Chinese Yuan

5 = Mexican Peso

6 = BitCoin

1

Going to:

- 1 = USD
- 2 = Great British Pounds
- 3 = Euros
- 4 = Chinese Yuan
- 5 = Mexican Peso
- 6 = BitCoin
- 3

Starting Amount:

100

Your ending amount is: 83.994456

Currency Converter

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11

BONUS: Any currency to any currency

=====

Going from:

1 = USD

2 = Great British Pounds

3 = Euros

4 = Chinese Yuan

5 = Mexican Peso

6 = BitCoin

6

Going to:

1 = USD

2 = Great British Pounds

3 = Euros

4 = Chinese Yuan

5 = Mexican Peso

6 = BitCoin

4

Starting Amount:

100

Your ending amount is: 3.601536839191807E7

(THIS IS ACTUALLY A HUGE NUMBER, SHOWN IN EXPONENTIAL NOTATION!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!)

Currency Converter

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as of 3/16/2020

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0



Project Name	Assign 2 Currency Converter
Class Name	ConvertCurr

Rubric	
Menu options	20
Accurate Conversion	40
Comments	10
TOTAL	70