//Program to convert Dollars to other currency

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package project7;

import java.util.Scanner;

public class Project7 {

public static void main(String[] args) {

Scanner keyboard = new Scanner(System.in);

double euroPerDollar, poundPerDollar, yenPerDollar;

char otherCurrencyInput;

String reply = "yes";

//Get User Input and store as variables

System.out.println("How many Euros will a Dollar buy ?");

euroPerDollar = keyboard.nextDouble();

System.out.println("How many Pounds will a Dollar buy ?");

poundPerDollar = keyboard.nextDouble();

System.out.println("How many Yen will a Dollar buy ?");

yenPerDollar = keyboard.nextDouble();

while (true)

{

if(reply.equalsIgnoreCase("YES"))

{

double dollarInput = 0, selectedCurrency = 0;

System.out.println("Enter the number of Dollars to be converted : ");

dollarInput = keyboard.nextDouble();

System.out.println("enter “E” to buy Euros, “P” to buy Pounds, or “Y” to buy Yen");

otherCurrencyInput = (Character.toUpperCase(keyboard.next().charAt(0)));

if (otherCurrencyInput == 'E') selectedCurrency = euroPerDollar;

if (otherCurrencyInput == 'P') selectedCurrency = poundPerDollar;

if (otherCurrencyInput == 'Y') selectedCurrency = yenPerDollar;

// Print values from Method

System.out.println("The total charge for this exchange is $"+conversion(dollarInput, selectedCurrency));

System.out.println("Are there any more conversions to perform ?");

reply = keyboard.next();

}

else if (reply.equalsIgnoreCase("NO"))

{

break;

}

else

{

System.out.println("enter “yes” to continue converting dollars into other currencies or “no” to stop ");

reply = keyboard.next();

}

}

}

//Our Conversion Method

public static double conversion(double i,double j)

{

double totalCharge;

totalCharge = (i\*j);

if(totalCharge <= 100)

{

totalCharge = (totalCharge - (totalCharge\*0.10));

}

else if (totalCharge > 100)

{

totalCharge = (totalCharge - (totalCharge\*0.05));

}

return totalCharge;

}

}

**OUTPUT**

run:

How many Euros will a Dollar buy ?

2

How many Pounds will a Dollar buy ?

1

How many Yen will a Dollar buy ?

1

Enter the number of Dollars to be converted :

10

enter “E” to buy Euros, “P” to buy Pounds, or “Y” to buy Yen

e

The total charge for this exchange is $18.0

Are there any more conversions to perform ?

d

enter “yes” to continue converting dollars into other currencies or “no” to stop

d

enter “yes” to continue converting dollars into other currencies or “no” to stop

yes

Enter the number of Dollars to be converted :

20

enter “E” to buy Euros, “P” to buy Pounds, or “Y” to buy Yen

p

The total charge for this exchange is $18.0

Are there any more conversions to perform ?

no

BUILD SUCCESSFUL (total time: 57 seconds)