A screenshot of a social media post

Description automatically generatedA screenshot of a cell phone

Description automatically generated

PMR: I sat for a while and had to think about what to do, but once I figured it out it was very easy. The funds remaining command also took me a while to figure out but one I figured it out it went fast.

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\* The Currency class converts an amount of money from a specific

\* country into the equivalent currency of another country given

\* the current exchange rate.

\*

\* @author Anika Jallipalli (replace with your name)

\* @version 09/19/2019 (replace with today's date)

\*/

public class CurrencyV1

{

public static void main(String [ ] args)

{

//Declare and initialize local variables

double startingUsDollars = 6500.00; // starting US Dollars

double pesosSpent = 7210.25; // Mexican Pesos spent

double pesoExchangeRate = 19.57852; // 1 US dollar = 19.57852 Pesos

double dollarsSpentInMexico = 0.0; // US dollars spent in Mexico

double dollarsAfterMexico = 0.0; // US dollars remaining after Mexico

//remaining variables below here

double yenSpent = 99939.75; // Japanese Yen spent

double yenExchangeRate = 108.1126; // 1 US dollar = 108.1126 Yen

double dollarsSpentInJapan = 0.0; // US dollars spent in Japan

double dollarsAfterJapan = 0.0; // US dollars remaining after Japan

double euroSpent = 624.95; // French Euro spent

double euroExchangeRate = 0.906377; // 1 US dollar = 0.906377 Euro

double dollarsSpentInFrance = 0.0; // US dollars spent in France

double dollarsAfterFrance = 0.0; // US dollars remaining after France

// Message to user stating purpose

System.out.println("~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~");

System.out.println("This program converts an amount of money");

System.out.println("from a specific country into the equivalent");

System.out.println("currency of another country given the current");

System.out.println("exchange rate.");

System.out.println("~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~");

System.out.println();

// Conversion

dollarsSpentInMexico += (double) pesosSpent/pesoExchangeRate;

dollarsAfterMexico += (double) startingUsDollars-dollarsSpentInMexico;

dollarsSpentInJapan += (double) yenSpent/yenExchangeRate;

dollarsAfterJapan += (double) dollarsAfterMexico-dollarsSpentInJapan;

dollarsSpentInFrance += (double) euroSpent/euroExchangeRate;

dollarsAfterFrance += (double) dollarsAfterJapan-dollarsSpentInFrance;

// code goes below here

System.out.println("");

System.out.println("Starting US dollars: " + startingUsDollars);

System.out.println("");

System.out.println("Mexico: ");

System.out.println("Pesos spent: " + pesosSpent);

System.out.println("US dollars equivalent:" + dollarsSpentInMexico );

System.out.println("US dollars remaining: " + dollarsAfterMexico);

System.out.println("");

System.out.println("");

System.out.println("");

System.out.println("Starting US dollars: " + dollarsAfterMexico);

System.out.println("");

System.out.println("Japan: ");

System.out.println("Yen spent: " + yenSpent);

System.out.println("US dollars equivalent:" + dollarsSpentInJapan);

System.out.println("US dollars remaining: " + dollarsAfterJapan);

System.out.println("");

System.out.println("");

System.out.println("");

System.out.println("Starting US dollars: " + dollarsAfterJapan);

System.out.println("");

System.out.println("France: ");

System.out.println("Euros spent: " + euroSpent);

System.out.println("US dollars equivalent:" + dollarsSpentInFrance);

System.out.println("US dollars remaining: " + dollarsAfterFrance);

System.out.println("");

System.out.println("");

// Complete the code below for Souvenir Purchases

System.out.println("~~~~~~~~~~~~~~~~~~~~~~~~~~~~~");

System.out.println("Souvenir Purchases");

System.out.println(" (all values in US Dollars) ");

System.out.println("~~~~~~~~~~~~~~~~~~~~~~~~~~~~~");

//Calculations for Souvenir #1

int costItem1 = 12; //cost per item of first souvenir

int budget1 = 100; //budget for first item

int totalItems1 = 0; //how many items can be purchased

int fundsRemaining1 = 0; //how much of the budget is left

totalItems1 += (int)(budget1/costItem1);

int x= -1;

fundsRemaining1 += (double)((budget1 % costItem1));

System.out.println("Item 1");

System.out.println(" Cost per item: $" + costItem1 );

System.out.println(" Budget: $"+ budget1);

System.out.println(" Total items purchased: " + totalItems1);

System.out.println(" Funds remaining: $" + fundsRemaining1);

System.out.println();

//Calculations for Souvenir #2

double costItem2 = 29.99; //cost per item of second souvenir

int budget2 = 500; //budget for second item

int totalItems2 = 0; //how many items can be purchased

double fundsRemaining2 = 0.0; //how much of the budget is left

totalItems2 += (int)(budget2 / costItem2);

fundsRemaining2 += (double)((budget2 % costItem2));

System.out.println("Item 2");

System.out.println(" Cost per item: $" + costItem2 );

System.out.println(" Budget: $"+ budget2);

System.out.println(" Total items purchased: " + totalItems2);

System.out.println(" Funds remaining: $" + fundsRemaining2);

} // end of main method

} // end of class