**Currency Conversion Integration Test EXAMPLES -**

**Test Case 1: Valid Selection = Canadian  
 Inputs:  
 Currency\_Type = 1  
 Int\_Value = 100.0  
 U.S.\_Value = 68.12  
   
 Expected Output:  
 The value of 100.0 Canadian dollars is 68.12 U.S. dollars**

**Test Case 2: Valid Selection = Quit  
 Inputs:  
 Currency\_Type = 6  
 Continue = ”n”**

**Expected Output:  
 Thank you for using the Currency Conversion Program**

**Test Case 3: Illegal Currency Amount  
 Inputs:  
 Currency\_Type = 1  
 Int\_Value = ”L”**

**Expected Outputs  
 Error 2: Illegal Input  
 Strike any character or numeric key to continue**

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**Currency Conversion program**

# Pseudocode

**Main Module**

Declare selection as integer

Declare currencyType as Integer

Declare internationalValue as real

Declare USValue as real

Do While user wants to continue

Display Menu

Get International Value

Convert Currency

Display Results

End loop

Print exit message

**End Main Module**

**Display Menu**

Declare continue as Boolean

Set continue = true

While continue = true

Display "Welcome to the international currency conversion program"

Display "Please make a selection"

Display "International Currency Types:"

Display "1: Canadian Dollars"

Display "2: Mexican Pesos"

Display "3: English Pounds"

Display "4: Japanese Yen"

Display "5: French Francs"

Display "6: Quit"

Display "Enter a selection:";

Input currencyType

If currencyType >= 1 AND currencyType <= 5 then

Set continue = false

else if currencyType = 6

Display “Quitting Currency Conversion”

continue = false

else

Display “"Error 4: Invalid menu selection."

continue = true

end if

end While

**End** **Display Menu**

**Get International Value**

Declare value as integer

Declare continue as Boolean

Set continue = true

While continue = true

Display "Enter a currency value (positive number): "

Input internationalValue

if internationalValue > 0 AND internationValue <= 1000000 then

continue = false

else

Display “"Error 1: Invalid input--Negative Number"

continue = true

end if

end while

**End Get International Value**

**Convert Currency**

Declare rate as real

Select Case of currencyType

case 1:

Set rate = 1.4680

case 2:

Set rate = 9.5085

case 3:

Set rate = .6085

case 4:

Set rate = 104,9;

case 5:

Set rate = 6.2561

default:

Set rate = 0.0

End Case

USValue = rate \* internationalValue

**End Convert Currency**

**Display Results**

Declare nation as string

Declare currency as string

Select Case of currencyType

case CANADIAN:

nation = "Canadian";

currency = "Dollars";

case MEXICAN:

nation = "Mexican";

currency = "Pesos";

case ENGLISH:

nation = "English";

currency = "Pounds";

case JAPANESE:

nation = "Japanese";

currency = "Yen";

case FRENCH:

nation = "French";

currency = "Francs";

default:

nation = "No country";

currency = "";

End Case

if currency <> “” then

Display “The value of “, internationalValue, “ “ , nation, “ “, currency, “ is “,

usValue, “ dollars”

else

Display "Error 5: Invalid currency type."

end if

**End Display Results**