//RomanNumeralPJG

Module main()

//variable hold input to pass to module/function

Declare String romanNum

//Module informs user

Call showDetails()

//the roman numeral returned from the function is passed to romanNum

Set romanNum = getNumber()

//pass romanNum to showNumeral()

Call showNumeral(romanNum)

End Module

Module showDetails()

Display “User must input a number between 1 – 10”

Display “The system will print corresponding roman numeral.”

End Module

Function String getNumber()

//variables that hold user input, return variable, and a Boolean for a while loop

Declare Integer inputNum = 0

Declare String numeral = “”

Declare Boolean integer = false

While integer is NOT true

try

Input inputNum

Set integer = true

Catch

Set integer = false

Input clear

Select inputNum

Case 1:

Set numeral = “I”

Case 2:

Set numeral = “II”

Case 3:

Set numeral = “III”

Case 4:

Set numeral = “IV”

Case 5:

Set numeral = “V”

Case 6:

Set numeral = “VI”

Case 7:

Set numeral = “VII”

Case 8:

Set numeral = “VIII”

Case 9:

Set numeral = “IX”

Case 10:

Set numeral = “X”

Default:

Display “That is not a valid input. Try again.”

Set integer = false

End Select

End While

Return numeral

End Function

Function void showNumeral(String romanChar)

Display “The roman numeral is “, romanChar, “.”

End Function