//RectangleAreaPJG

Module main()

//variable hold input to pass to function

Declare Real rec1, rec2

//Module informs user

Call showDetails()

//ask user for the rect input

Display “Now input the rectangle’s length and width.”

//recArea() is called and assigned to rec1

Set rect1 = getRect()

Display “The area of the rectangle is “, rect1

End Module

Module showDetails()

Display “You will be asked to enter the”

Display “length and width of a rectangles.”

Display “Afterwards, the program will compute”

Display “the area and display.”

Display “ “ //empty line

End Module

//This module gets the length and width of a rectangle and calculates the area

Function Real getRect()

Declare Real length, width, area = 0

Declare Boolean dblInput = false

While dblInput NOT true

Try

Input length

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

End While

Set dlbInput = false

While dblInput NOT true

Try

Input width

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

End While

Set area = rectArea(length, width)

Return area

End Function

Function Real rectArea(Real rectLength, Real rectWidth)

Return rectLength \* rectWidth

End Function