Description: This function applies discount percentage on an item price unless the item price is less than the whole sale price. For example, a product at $10 with a wholesale price of $5 and a discount of 10% returns $9.

function applyDiscount(productPrice : Double,
                       wholesalePrice : Double,
                       discount : Double) 

Return Double

Create variable discountedPrice as double

discountedPrice = productPrice * (1 – discount)

if (discountedPrice < wholesalePrice)
    discountedPrice = wholesalePrice
end if

return discountedPrice

End function