Consider the following program:

def main():
    print("in main")
    val = 23
    x = 5
    y = 17
    result = mystery(val, x, y)

    #See Question 2
    print("val: %d" % (val))
    print("Result: %d" % (result))

# mystery function:
def mystery(num, lb, ub):
    print("in mystery")

    #See Question 3
    if num < lb:
        num = num + lb
    if num >= ub:
        num = ub

    #See Question 1
    return num

main()