#!/usr/bin/env python

#Introduction to Python : Classes & Objects, Functions

#b) Write a recursive python function that has a parameter representing a list of integers

#and returns the maximum stored in the list.

#Hint: The maximum is either the first value in the list or the maximum of the rest of

#the list whichever is larger. If the list only has 1 integer, then its maximum is this

#single value, naturally. Demonstrate with some examples.

# Note : Handle all other corner cases which are not handled here

def Max(list):

if len(list) == 1:

return list[0]

else:

m = Max(list[1:])

return m if m > list[0] else list[0]

def main():

try:

list = eval(input("Enter a list of numbers: "))

print ("The largest number is: ", Max(list))

except SyntaxError:

print ("Please enter comma separated numbers")

except:

print ("Enter only numbers")

main()