Loop – 4 Program

# Author = Darren Isaacson

# This program is designed to accumulate 2 input values and make a list.

# This is the cordinator of the other functions

def main():

print("Welcome to the looping program \n---------------------------------------")

# Try statement goes first to startup exceptions

try:

# Collects small and large for input values

small,large = getNumber()

# Sends input values to calculate

answer, list = calculate(small,large)

# Sendsing total accumulation and list to outputAnswer

outputAnswer(answer,list)

# Generic exception

except:

print("Error! Please try again.")

# This function gathers the values from the user

def getNumber():

# Collects information from the user

getSmall = int(input("Enter in your small number. :"))

getLarge = int(input("Enter in your large number. :"))

# Returns input values

return getSmall, getLarge

# This function calculates the numbers in range

def calculate(small, large):

list = []

total = 0

# This for stament is only for accumulating the varibles

for number in range(small,large+1):

list.append(number) # This adds to the list for every int being added from the loop

total = total + number # This accumulates the value

# Return accumulator total and list values

return total, list

# This function displays the output

def outputAnswer(answer,list):

print("The total is :%d " % answer)

print("Your list of numbers is",list)

print("---------------------------------------")

main()

Example 1-4

