Inputs­ x and y (two random values)

Output­ thes sum of all numbers including and between x and y

Ex. x = 5 and y = 10, then sum = 45

get inputs

initialize variables­ set variable nextnum to equal x

set total equal to zero

check if x < y

if it is not, then print ‘x must be less than y’

if true, then continue.

if nextnum <= y, then­ add nextnum to total add one to nextnum

loop through till next num > y.

print the total after the while loop is done.

Use a sentinel control loop to ask the user if they want to play again.

This program needs a while loop to add the next number to the total till the next number is greater than y. the program also needs an if­else statements to check if x is less than y. The program needs a counter variable to add the numbers till it reaches y, it also need a total counter variable. The two inputs x and y also add me and variables. One constraint listed is that x must be less than y, and it must contain a while loop. Both of which are in the pseudocode.