**Pseudo Code:**

isDivisible(num)

set sumOfEvenDigits to 0

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set txt1 to ’ is a multiple of 11.’  
set txt2 to ‘ is not a multiple of 11.’

for index = 0 to (length of num – 1)

If (index % 2) == 0

do sumOfEvenDigits = sumOfEvenDigits + convert num[index] to integer

else

do sumOfOddDigits = sumOfOddDigits + convert num[index] to integer

If ((sumOfEvenDigits - sumOfOddDigits) % 11) != 0  
 return num + txt2  
else  
 return num + txt1

while(1)

print ‘Enter a number:’

get num as a string

if num == ‘0’

break

else

print isDivisible(num)