n = input of user for number of choice

a = 2

b = 0

if n>=2

while a<n

if n%a=0

print, n is divisible by a

b = 1

a = a + 1

else

a = a + 1

if b!=1

print, the number n is a prime number.

else

print, the number n is not a prime number.

else if n = 0

print, zero is considered as a non prime number.

else if n = 1

print, number 1 is by definition can not be a prime number.

else

print, please input a positive number.