Def about():

'''enter a positive integer range [A, B] and the system will find out the status (Prime or composite) of each number available

in the given range. At the end print the count also.'''

lower\_value=int(input("Enter the lowest range value: ")) # lowest value

upper\_value=int(input("Enter the upper range value: ")) # upper value

a=lower\_value

b=upper\_value

primeCount=0 # count variable for prime

compositeCount=0 # count variable for composite

print ("Prime numbers from {} to {} are : - ".format(a,b)) # prime numbers from lower to upper value

prime="" # append the prime numbers to the string

for n in range (a, b+1):

if n>1:

for i in range (2, n+1):

if n%i==0: # prime numbers condition

break

if i==n:

prime+=str(n)

print("Composite numbers from {} to {} are :- ".format(a,b)) #composite numbers from lower to upper

composite="" # append the composite numbers to the string

for n in range(a,b+1):

if n>1:

for i in range(2,n+1): # composite numbers condition

if n%i==0:

break

if i!=n:

composite+=str(n)

for i in range(a,b+1):

if str(i) in prime: #to check number in prime numbers string

print("{} is a prime number".format(int(i)))

continue

if str(i) in composite: # to check number in composite numbers string

print("{} is a composite number".format(int(i)))