from math import sqrt

import os

def is\_prime(num):

if num < 2:

return False

for i in range(2, int(sqrt(num)) + 1):

if num % i == 0:

return False

return True

def num\_input():

while True:

try:

num = -1

count2 = 0

while num < 0:

if count2 > 0:

print("Enter a positive number please!!!!!!")

num = int(input("Enter a positive number to find out whether the number is a prime or non-prime : "))

count2 = count2 + 1

except ValueError:

print("You must enter an integer.")

else:

return num

while True:

number = int(input("\nEnter A Number To Check For Prime: "))

if number == 1:

print(str(number) + " Is Neither Prime Nor Composite")

else:

check = is\_prime(number)

if check:

print(str(number) + " Is A Prime Number")

else:

print(str(number) + " Is Not A Prime Number")

yon = 'a'

count = 0

while yon != ['Y', 'N']:

if count > 0:

print("Enter A Valid Option Please")

yon = input("Do you want to continue (Y/N) : ").upper()

count = count + 1

if yon == 'N':

exit(0)

elif yon == 'Y':

os.system('cls')

break

else:

continue