def is\_prime(num):

if num < 2:

return False

for i in range(2, int(num\*\*0.5) + 1):

if num % i == 0:

return False

return True

def display\_primes\_in\_range(start: int, end: int) -> list[int]:

if start < 0:

print("Enter a non-negative number. ")

return[]

if end <= start:

print("Enter a number greater than the starting number.")

return

print(f"Prime numbers between {start} and {end}:")

for num in range(start, end + 1):

if is\_prime(num):

print(num, end=' ')

print()

if \_\_name\_\_ == "\_\_main\_\_":

while True:

start = int(input("Enter a number [start]: "))

if start == 0:

print("Program terminated.")

break

end = int(input("Enter a number [end]: "))

display\_primes\_in\_range(start, end)