def smallest\_factor(n):

# Verify if the input is less than 2

if n < 2:

print("Enter a number greater than 2.")

return

# Identify the smallest factor, excluding 1

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

if n % i == 0:

print(f"The smallest factor other than 1 for {n} is {i}.")

break

# Get user input

try:

num = int(input("Enter an integer >= 2: "))

smallest\_factor(num)

except ValueError:

print("Please enter a valid integer.")