# Lab 1

# test.py

# Program to check if a number is prime or not  
  
  
  
num = 29  
  
  
  
# To take input from the user  
  
#num = int(input("Enter a number: "))  
  
  
  
# define a flag variable  
  
flag = False  
  
  
  
if num == 1:  
  
 print(num, "is not a prime number")  
  
elif num > 1:  
  
 # check for factors  
  
 for i in range(2, num):  
  
 if (num % i) == 0:  
  
 # if factor is found, set flag to True  
  
 flag = True  
  
 # break out of loop  
  
 break  
  
  
  
 # check if flag is True  
  
 if flag:  
  
 print(num, "is not a prime number")  
  
 else:  
  
 print(num, "is a prime number")

# Lab 2

# test.py

# Program to check if a number is prime or not  
  
  
  
num = 29  
  
  
  
# To take input from the user  
  
#num = int(input("Enter a number: "))  
  
  
  
# define a flag variable  
  
flag = False  
  
  
  
if num == 1:  
  
 print(num, "is not a prime number")  
  
elif num > 1:  
  
 # check for factors  
  
 for i in range(2, num):  
  
 if (num % i) == 0:  
  
 # if factor is found, set flag to True  
  
 flag = True  
  
 # break out of loop  
  
 break  
  
  
  
 # check if flag is True  
  
 if flag:  
  
 print(num, "is not a prime number")  
  
 else:  
  
 print(num, "is a prime number")

# Lab 3

# test.py

# Program to check if a number is prime or not  
  
  
  
num = 29  
  
  
  
# To take input from the user  
  
#num = int(input("Enter a number: "))  
  
  
  
# define a flag variable  
  
flag = False  
  
  
  
if num == 1:  
  
 print(num, "is not a prime number")  
  
elif num > 1:  
  
 # check for factors  
  
 for i in range(2, num):  
  
 if (num % i) == 0:  
  
 # if factor is found, set flag to True  
  
 flag = True  
  
 # break out of loop  
  
 break  
  
  
  
 # check if flag is True  
  
 if flag:  
  
 print(num, "is not a prime number")  
  
 else:  
  
 print(num, "is a prime number")