1. Write a Python Program to Check if a Number is Positive, Negative or Zero?

number = input(‘Enter a number’)

If number > 0:

print(‘Number is positive’)

elif number < 0:

print(‘Number is negative’)

else:

print(‘Zero’)

1. Write a Python Program to Check if a Number is Odd or Even?

number = input(‘Enter a number’)

if number % 2 == 0:

print(‘Even’)

else:

print(‘Odd’)

1. Write a Python Program to Check Leap Year?

year = input(‘Enter a year’)

if year %4 == 0:

print(‘It is a leap year’)

1. Write a Python Program to Check Prime Number?

number = input(‘Enter a number ’)

prime = 0

for i in range(2,10):

if number % i == 0:

prime = 1

if prime ==1:

print(‘%d Number prime’ (number))

1. Write a Python Program to Print all Prime Numbers in an Interval of 1-10000?

prime = 0

for c in range(1,10000):

prime = 0

for i in range(2,c):

if number % i == 0:

prime = 1

if prime ==1:

print(‘%d Number prime’ (number))