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

Answer=

a=float(input("Enter a no:"))

b=float(input("Enter a no:"))

d=a/b

if (d>100):

print("the no is+ve")

print(d)

elif (d<-100):

print("the no is -ve")

print(d)

else:

print("the npo is 0.")

print(d)

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

Ans:-

a=float(input("Enter a no:"))

if a%2==0:

print("odd")

else:

print("even")

1. Write a Python Program to Check Leap Year?

Ans:-

yr=int(input("Enter a year."))

if yr%4==0:

if yr%100==0:

if yr%400==0:

print("Leap year")

else:

print("Leap year")

else:

print("Not a leap year")

else:

print("Leap year!")

1. Write a Python Program to Check Prime Number?

Ans:-

aa=int(input("Enter a number."))

if aa%2==0:

print("It is a prime no")

else:

print("It is not a prime number.")

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

Ans=

a = int(input ("Please, Enter a no: "))

b= int(input ("Please, Enter a no:"))

for i in range(a,b+1):

for j in range(2,i):

if i>1:

if (i%j)==0:

break

else:

print("no")