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

Ans.

a = int(input("enter a number : "))

if if a >= 1:

print("a is positive no", a)

elif a == 0:

print(" a is zero", a)

else:

print("a is negative no ", a)

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

Ans.

a = int(input("enter an interger "))

def check(a):

if a%2 == 0:

print("even", a)

else:

print("odd", a)

check(a)

1. Write a Python Program to Check Leap Year?

Ans.

1. Write a Python Program to Check Prime Number?

Ans.

a = int(input("enter a number : "))

def prime(a):

if a > 0:

for i in range(2,a):

if a%i == 0:

print("this is not prime noumber.", a)

break

else:

print("this is prime no", a)

else:

print("this is not prime", a)

prime(1000)

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

Ans.

def prim(a,b):

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

for j in range(2,i):

if i%j == 0:

break

else:

print("prime no.",i)

prim(1,10)